SHARP SERVICE MANUAL

No. S1308XL55////

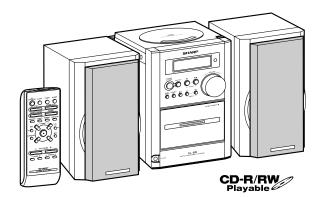


Illustration XL-55



MICRO COMPONENT SYSTEM

MODEL

XL-55

XL-55 Micro Component System consisting of XL-55 (main unit) and CP- XL55 (speaker system).

MODEL XL-55C

XL- 55C Micro Component System consisting of XL- 55C (main unit) and CP- XL55 (speaker system).

• In the interests of user-safety the set should be restored to its original condition and only parts identical to those specified should be used.

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FOR A COMPLETE DESCRIPTION OF THE OPERATION OF THIS UNIT, PLEASE REFER TO THE OPERATION MANUAL.

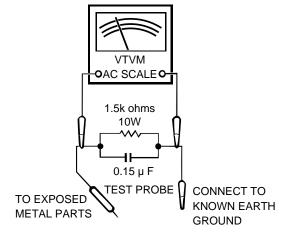
IMPORTANT SERVICE NOTES (FOR U.S.A. ONLY)

BEFORE RETURNING THE AUDIO PRODUCT

(Fire & Shock Hazard)

Before returning the audio product to the user, perform the following safety checks.

- Inspect all lead dress to make certain that leads are not pinched or that hardware is not lodged between the chassis and other metal parts in the audio product.
- Inspect all protective devices such as insulating materials, cabinet, terminal board, adjustment and compartment covers or shields, mechanical insulators etc.
- 3. To be sure that no shock hazard exists, check for leakage current in the following manner.
- * Plug the AC line cord directly into a 120 volt AC outlet.
- * Using two clip leads, connect a 1.5k ohm, 10 watt resistor paralleled by a 0.15µF capacitor in series with all exposed metal cabinet parts and a known earth ground, such as conduit or electrical ground connected to earth ground.
- Use a VTVM or VOM with 1000 ohm per volt, or higher, sensitivity to measure the AC voltage drop across the resistor (See diagram).
- * Connect the resistor connection to all exposed metal parts having a return path to the chassis (antenna, metal cabinet, screw heads, knobs and control shafts, escutcheon, etc.) and measure the AC voltage drop across the resistor.



All check must be repeated with the AC line cord plug connection reversed

Any reading of 0.3 volt RMS (this corresponds to 0.2 milliamp. AC.) or more is excessive and indicates a potential shock hazard which must be corrected before returning the audio product to the owner.

SPECIFICATIONS

■ General

Power source	AC 120 V, 60 Hz
Power consumption	48 W
Dimensions	Width: 6-5/16" (160 mm) Height: 9-1/2" (240 mm) Depth: 11-11/16" (296 mm)
Weight	7.9 lbs. (3.6 kg)

■ Amplifier (Except for Canada)

Output power	20 watts minimum RMS per channel into 4 ohms from 100 Hz to 20 kHz, 10% total harmonic distortion
Output terminals	Speakers: 4 ohms
	Headphones: 16 - 50 ohms (recommended: 32 ohms)
	CD digital output (optical)
	Subwoofer (Audio signal): 500 mV/47 k ohms
Input terminals	Video/Auxiliary (audio signal): 500 mV/47 k ohms

■ Amplifier (For Canada)

Output power	RMS: 40 W (20 W + 20 W) (10 % T.H.D.)	
Output terminals	Speakers: 4 ohms	
	Headphones: 16 - 50 ohms (recommended: 32 ohms)	
	CD digital output (optical)	
	Subwoofer (Audio signal): 500 mV/47 k ohms	
Input terminals	Video/Auxiliary (audio signal): 500 mV/47 k ohms	

Tuner

Frequency range	FM: 87.5 - 108 MHz	
	AM: 530 - 1,720 kHz	

■ CD player

Туре	Compact disc player	
Signal readout	Non-contact, 3-beam semiconductor laser pickup	
D/A converter	1-bit D/A converter	
Frequency response	20 - 20,000 Hz	
Dynamic range	90 dB (1 kHz)	

■ Cassette deck

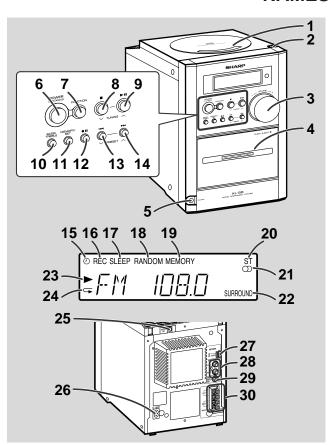
Frequency response	50 - 14,000 Hz (normal tape)
Signal/noise ratio	50 dB (recording/playback)
Wow and flutter	0.25 % (WRMS)

■ Speaker

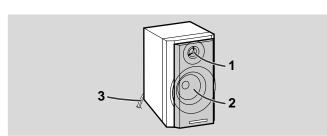
— орошко	
Туре	2-way type speaker system
	Tweeter
	4" (10 cm) Woofer
Maximum input power	40 W
Rated input power	20 W
Impedance	4 ohms
Dimensions	Width: 6-5/16" (160 mm) Height: 9-1/2" (240 mm) Depth: 7-7/8" (200 mm)
Weight	4.7 lbs. (2.1 kg)/each

Specifications for this model are subject to change without prior notice.

NAMES OF PARTS



- 1. CD Compartment
- 2. CD Eject Button
- 3. Volume Control
- 4. Cassette Compartment
- 5. Headphone Jack
- 6. Power On/Stand-by Button
- 7. Function Selector Button
- 8. CD or Tape Stop, Tuning Down Button
- 9. CD Play or Pause, Tape Play,
- Tuning Up Button
- 10. Bass/Treble Selector Button
- 11. Memory/Set Button
- 12. Tape Record Pause Button
- 13. CD Track Down or Fast Reverse, Tape Rewind, **Tuner Preset Down Button**
- 14. CD Track Up or Fast Forward, Tape Fast Forward, Tuner Preset Up Button
- 15. Timer Play Indicator
- 16. Tape Record Indicator
- 17. Sleep Indicator
- 18. CD Random Play Indicator
- 19. Memory Indicator
- 20. FM Stereo Mode Indicator
- 21. FM Stereo Receiving Indicator
- 22. Surround Indicator
- 23. CD Play Indicator
- 24. CD Repeat Play Indicator
- 25. CD Digital Output Jack
- 26. AC Power Input Jack
- 27. FM/AM Loop Antenna Jack
- 28. Video/Auxiliary (Audio Signal) Input Jacks
- 29. Subwoofer Output Jack
- 30. Speaker Terminals

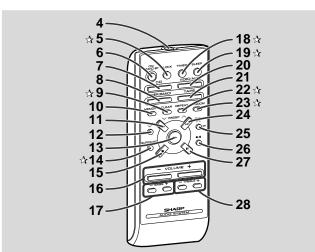


- 1. Tweeter
- 2. Woofer
- 3. Speaker Wire

Speaker grilles are removable:

Make sure nothing comes into contact with the speaker diaphragms when you remove the speaker grilles.





Buttons with "A" mark in the illustration can be operated on the remote control only.

- 4. Remote Control Transmitter
- 5. Clock Button
- 6. Power On/Stand-by Button
- 7. CD Button
- 8. Tuner and Band Selector Button
- 9. Clear Button
- 10. Memory Button 11. CD Track Down, Tuner Preset Down Button
- 12. CD Fast Reverse, Tuning Down, Tape Rewind Button
- 13. CD or Tape Play Button 14. Surround Button
- 15. CD or Tape Stop Button
 16. Volume Up and Down Buttons
 17. Bass Up and Down Buttons
 18. Timer Button

- 19. Sleep Button
 20. Video/Auxiliary Button
 21. Tape Button
- 22. Repeat Button
- 23. Random Button
- 24. CD Track Up, Tuner Preset Up Button 25. CD Fast Forward, Tuning Up, Tape Fast Forward Button
- 26. Tape Record Pause Button
- 27. CD Pause Button
- 28. Treble Up and Down Buttons

DISASSEMBLY

Caution on Disassembly

Follow the below-mentioned notes when disassembling the unit and reassembling it, to keep it safe and ensure excellent performance:

- 1. Take cassette tape and compact disc out of the unit.
- 2. Be sure to remove the power supply plug from the wall outlet before starting to disassemble the unit.
- Take off nylon bands or wire holders where they need to be removed when disassembling the unit. After servicing the unit, be sure to rearrange the leads where they were before disassembling.
- 4. Take sufficient care on static electricity of integrated circuits and other circuits when servicing.

STEP	REMOVAL	PROCEDURE	FIGURE
1	Top Cabinet	1. Screw (A1) x5 2. Socket (A2) x2	4-1 4-1,3
2	Side Panel(Left/Right)	1. Screw (B1) x4	4-1
3	Rear Panel	1. Screw (C1) x2 2. Screw (C2) x2	4-1 4-2
4	Power Amp. PWB	1. Screw (D1) x1 2. Socket (D2) x1 3. Socket (D3) x1	4-2
5	Main PWB/ Headphones PWB	1. Screw (E1) x4 2. Socket (E2) x4 3. Socket (E3) x1	4-3
6	Front Panel	1. Screw (F1) x2 2. Socket (F2) x2	4-4
7	Power PWB	1. Screw (G1) x2 2. Shield Cover (G2) x1 3. Screw (G3) x5	4-4
8	Tape Mechanism	1. Screw (H1) x4	4-5
9	Display PWB	1. Knob (J1) x1 2. Screw (J2) x8	4-5
10	CD PWB(Note)/ Open Close Switch PWB Jack PWB	1. Screw (K1) x4 2. Screw (K2) x2 3. Socket (K3) x3	5-1
11	CD Mechanism	1. Screw (L1) x3	5-2

Note:

After removing the connector for the optical pickup from the connector, wrap the conductive aluminium foil around the front end of the connector so as to protect the optical pickup from electrostatic damage.

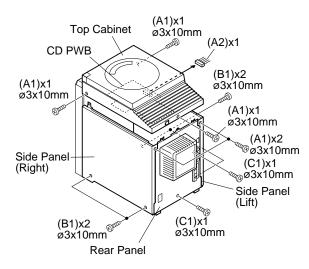


Figure 4-1

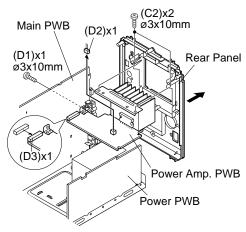


Figure 4-2

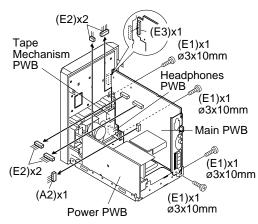


Figure 4-3

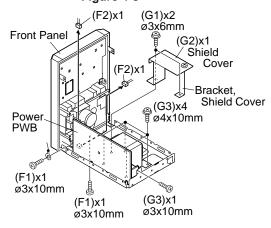


Figure 4-4

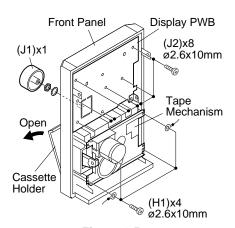


Figure 4-5

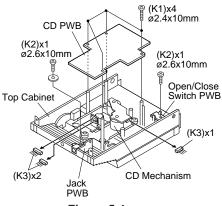


Figure 5-1

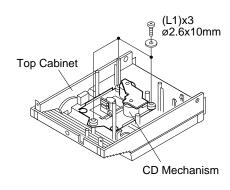


Figure 5-2

REMOVING AND REINSTALLING THE MAIN PARTS

TAPE MECHANISM SECTION

Perform steps 1 to 6 and 8 of the disassembly method to remove the tape mechanism. (See page 4.)

How to remove the record / playback and erase heads (See Fig. 5-3.)

- Remove the screws (A1) x 2 pcs., to remove the erase head.
- Remove the screws (A2) x 2 pcs., to remove the record/ playback head.

Note:

After replacing the heads and performing the azimuth adjustment, be sure to apply screwlock.

How to remove the pinch roller (See Fig. 5-4.)

1. Carefully bend the pinch roller pawl in the direction of the arrow **<A>**, and remove the pinch roller (B1) x 1 pc., upwards.

How to remove the belts (See Fig. 5-5.)

- 1. Remove the main belt (C1) x 1 pc., from the motor pulley.
- Remove the FF/REW belt (C2) x 1 pc., from the REW/FF roller
- 3. Put on the belts in the reverse order of removal.

Note

When putting on the belt, ascertain that the belt is not twisted, and clean it.

How to remove the motor (See Fig. 5-6.)

- 1. Remove the main belt.
- Remove the screws (D1) x 2 pcs., to remove the motor bracket.
- 3. Remove the screws (D2) x 3 pcs., to remove the motor.

Note:

When mounting the motor, pay attention to the motor mounting angle.

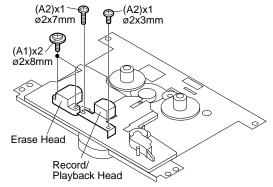


Figure 5-3

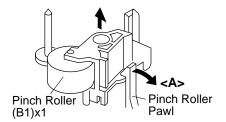


Figure 5-4

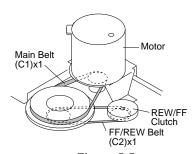


Figure 5-5

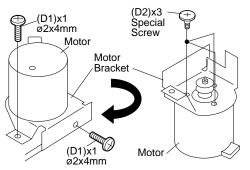


Figure 5-6

How to remove the flywheel (See Fig. 6-1.)

- 1. Remove the belt.
- 2. Remove the stop washer (E1) x 1 pc., with a small precision screwdriver to extract the flywheel from the capstan metal.

Note:

When the stop washer is deformed or damaged, replace it with a new one.

How to reinstall the parts

Install each part in the reverse order of the removal with care.

How to remove the tape mechanism PWB (See Fig. 6-2.)

- 1. Remove the screw (F1) x 1 pc., to remove the tape mechanism PWB.
- 2. Remove the screw (F2) x 1 pc.
- 3. Remove the solder joints (F3) x 2 pcs., to remove the tape mechanism PWB.

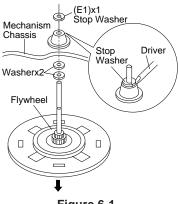


Figure 6-1

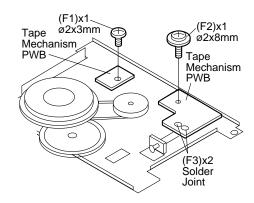


Figure 6-2

CD MECHANISM SECTION

Perform steps 1, 10 and 11 of the disassembly method to remove the CD mechanism. (See page 4.)

How to remove the pickup (See Fig. 6-3)

- 1. Remove the mechanism cover, paying attention to the pawls (A1) x 4 pcs.
- 2. Remove the screws (A2) x 2 pcs., to remove the shaft (A3)
- 3. Remove the stop washer (A4) x 1 pc., to remove the gear (A5) x 1 pc.
- 4. Remove the pickup.

Note:

After removing the connector for the optical pickup from the connector, wrap the conductive aluminium foil around the front end of connector remove to protect the optical pickup from electrostatic damage.

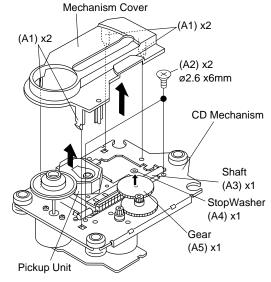


Figure 6-3

ADJUSTMENT

MECHANISM SECTION

• Driving Force Check

Torque Meter	Specified Value
Play: TW-2412	Over 80 g

• Torque Check

Torque Meter	Specified Value
Play: TW-2111	30 to 60 g. cm
Fast forward: TW-2231	55 to 140 g.cm
Rewind: TW-2231	55 to 140 g.cm

Tape Speed

Test Tape	Adjusting	Specified	Instrument
	Point	Value	Connection
MTT-111	Variable resistor in motor.(M901)	3,000 ± 90 Hz	Headphone terminal

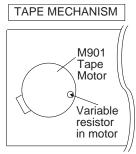


Figure 7-1 ADJUSTMENT POINT

TUNER SECTION

fL: Low-renge frequency fH: High-renge frequency

AM IF/RF

Signal generator: 400 Hz, 30%, AM modulated

Test Stage	Frequency	Frequency Display		Instrument Connection
IF	450 kHz	1,602 kHz	T351	*1
AM Band Coverage	_	531 kHz	(fL): T306 1.1 ± 0.1 V	*2
AM Tracking	990 kHz	990 kHz	T302	*1

*1. Input: Antenna Output: Speaker terminal *2. Input: Input is not connected Output: TP301

Check FM VT

Signal generator: 1 kHz, 40 kHz dev., FM modulated

Frequency	Display	Check Point	Instrument Connection
87.5 MHz	87.5 MHz	3.4 V ± 1.0 V	TP301
108 MHz	108 MHz	7.8 V ± 1.0 V	TP301

• FM Mute Level

Signal generator: 1 kHz, 40 kHz dev., FM modulated

Frequency	Display	Adjusting Parts	Instrument Connection
98.00 MHz (30 dBμV)	98.00 MHz	VR351*1	Input: CNP301 Output: Speaker Terminal

^{*1.} Adjust so that an output signal appears.

• FM Detection

Signal generator: 10.7 MHz, FM sweep generator

Test Stage	Frequency	Frequency Display	Setting/ Adjusting Parts	Instrument Connection
FM IF	10.7 MHz	98.00 MHz	T304(Turn the core of T304 fully counter- clockwise).	Input: Pin 1 of IC301

• FM RF

Signal generator: 1 kHz, 75 kHz dev., FM modulated

Test Stage	Frequency	Frequency Display	Setting/ Adjusting Parts	Instrument Connection
FM Band Coverage	_	87.50 MHz	(fL): L303 3.4 ± 0.1 V	*1
FM RF	98.00 MHz (10~30 dB)	98.00 MHz	L302	*2

^{*1.} Input: Antenna, Output: TP301

^{*2.} Input: Antenna, Output: Speaker Terminal

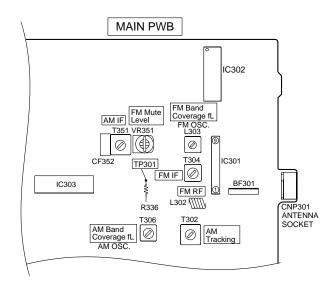


Figure 7-2 ADJUSTMENT POINTS

• Setting the Test Mode

Keeping the REW/REV button and BASS/TREBLE button pressed, turn on POWER. Then, the frequency is initially set in the memory as shown in Table. Call it with the PRESET button to use it for adjustment and check of tuner circuit.

Preset No.	FM STEREO	Preset No.	AM
1	87.50 MHz	6	531 kHz
2	108.00 MHz	7	1,602 kHz
3	98.00 MHz	8	990 kHz
4	90.00 MHz	9	603 kHz
5	106.00 MHz	10	1,404 kHz
11~25			

Preset No.	FM MONO
26	106.00 MHz
27	90.00 MHz
28	98.00 MHz
29	108.00 MHz
30	87.50 MHz

TEST MODE

The test mode applied to this microcomputer has three modes, namely ordinary test mode to be used for adjustment or measurement, aging test mode to be used for aging test, and self-diagnosis test mode for self-inspection in case of final product inspection.

1. Turning on the test mode

To turn on the specific test mode, press the POWER ON/STAND-BY button, holding down the following two buttons in the ordinary stand-by mode (power off state). In this case only the main unit button is valid. Even when the POWER of remote control button is set to on, the test mode is not turned on.

[Ordinary test mode]

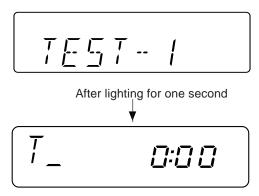
- [Self-diagnosis Test Mode]
- 1. Button input diagnosis test mode (TEST6).... MEMORY/SET + PLAY

2. CD Test Mode (TEST 1)

In the CD test mode the operation of each step is enabled even when the LID-SW is off. However, if focus cannot be set in step 3 or any error processing is started, it is impossible to proceed to the next step. When the error processing is started, operations other than termination of test mode by pressing the POWER ON/STAND-BY button or return to the step 1 by pressing the STOP button are inhibited.

1. Step 1 Mode

When the CD test mode is turned on, the following indication lights, the processing (until turning-off of CD STB terminal of CD initialization operation flow) is executed, and the next button input is waited.



If the following operation buttons are pressed in this state, the operation is performed as follows.

"POWER ON/STAND-BY" ... The test mode is turned off, the power is turned off, and the ordinary stand-by mode is set.

"FF/FWD" After the pickup returns once to the innermost periphery, it slides toward the outer periphery while this button is held down.

"REW/REV"......After the pickup returns once to the innermost periphery, it slides toward the inner periphery while this button is pressed. However, if PU-IN is on, input is invalid.

"PLAY" Shift to step 2

"STOP" Invalid

"REC PAUSE"..... Shift to step 5

* In case of initialization the pickup is moved toward the inner periphery. Any buttons other than POWER ON/STAND-BY button are not accepted until the shift of pickup to the inner periphery is completed at this time. If PU-IN SW ON cannot be detected within 10 seconds, the slide motor is stopped, and the following error indication appears. Press the POWER ON/STAND-BY button to end the test mode, or press the STOP button to return to step 1. Any other operations are inhibited.



2. Step 2 Mode

When the "PLAY" button is pressed in this mode, the laser lighting command LDON (8400) is sent, and the laser is turned on. Other operations are not performed.



If the following buttons are pressed in this state, the operation is performed as follows.

"POWER ON/STAND-BY" .. The test mode is turned off, the power is turned off, and the ordinary stand-by mode is set.

"FF/FWD" The pickup slides toward the outer periphery while this button is held down.

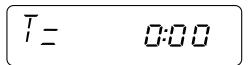
"REW/REV"The pickup slides toward the inner periphery while this button is held down. However, if PU-IN is on, input

is invalid.
"PLAY"......Shift to step 3
"STOP"......Return to step 1
"REC PAUSE".....Shift to step 5

3. Step 3 Mode

The laser is kept lighting. The processing (until turning-on of CLV servo of CD initialization operation flow) is executed, and the next button input is waited. (The focus servo is turned on, and focus search is performed.)

The focus search is repeated until the focus is set.



When the following operation buttons are pressed in this state, the operation is executed as follows.

"POWER ON/STAND-BY" .. The test mode is turned off, the power is turned off, and the ordinary standby mode is set.

"FF/FWD" The pickup slides toward the outer periphery while this button is held down.

"REW/REV"The pickup slides toward the inner periphery while this button is held down. However, if PU-IN is on, input is invalid.

"PLAY" If the focus has been set, shift to step 4 is executed. If the focus has not been set, acceptance is inhibited.

"STOP" Return to step 1

"REC PAUSE" Shift to step 5

*If the focus is disturbed after it has been set, the process returns to step 1.

4. Step 4 Mode (Only focus "OK" can make this item showing)

The CLV servo ON command (8600) sending operation is performed, and the next button input is waited. (The disc is rotated to perform CLV locking.)



The time display indicates always "0:00".

When the following buttons are pressed in this state, the operation is executed as follows.

"POWER ON/STAND-BY" .. The test mode is turned off, the power is turned off, and the ordinary standby mode is set.

"FF/FWD" The pickup slides toward the outer periphery while this button is held down.

"REW/REV"The pickup slides toward the inner periphery while this button is held down. However, if PU-IN is on, input is invalid.

"PLAY" Shift to step 5

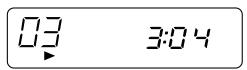
"STOP" Return to step 1

"REC PAUSE" Shift to step 5

*If the focus is disturbed, the process returns to step 1.

5. Step 5 Mode

The CD initialization operation flow is executed to the end, the mute is set to off, and playback is started. Even when the playback reaches the outermost periphery of disc, the operation does not stop. The LCD display indicates the playback past time as in case of ordinary CD playback.



When the following operation buttons are pressed in this sate, the operation is executed as follows.

"POWER ON/STAND-BY"... The test mode is turned off, the power is turned off, and the ordinary standby mode is set.

"FF/FWD" The pickup slides toward the outer periphery while this button is held down.

"REW/REV"......The pickup slides toward the inner periphery while this button is held down. However, if PU-IN is on, input the pickup slides toward the inner periphery while this button is held down. However, if PU-IN is on, input the pickup slides toward the inner periphery while this button is held down. However, if PU-IN is on, input the pickup slides toward the inner periphery while this button is held down. However, if PU-IN is on, input the pickup slides toward the inner periphery while this button is held down. However, if PU-IN is on, input the pickup slides toward the inner periphery while this button is held down. However, if PU-IN is on, input the pickup slides toward the inner periphery while this button is held down. However, if PU-IN is on, input the pickup slides toward the pickup slides the pickup

is invalid.

"PLAY" Invalid

"STOP" Return to step 1

*If the focus is disturbed, the process returns to step 1.

Other cautions

- TOC IL is not executed in the test mode.
- As for button operations other than those shown above, only the sound volume operation (with JOG) is accepted.

3. Tuner Test Mode (TEST 2)

1. Outline of tuner (radio) test mode

The tuner test mode is intended to store the adjustment and measurement frequencies in the preset memory CH without frequency setting by adjusting personnel when the tuner section is adjusted in the production line.

2. Details of tuner test mode

When the power is turned on by using the POWER ON/STAND-BY button while the BASS/TREBLE and REW/REV buttons are held down in POWER OFF state, the frequency for adjustment and measurement of destination specified by the AREA terminal is preset and stored in the preset memory CH. However, Ordinary 1 and Ordinary 2 are set to the designation (destination selected by SPAN switching operation) set when the test mode is obtained.(Memory/Set+Function Key Span Charged) (As for frequencies to be preset and stored for each destination, refer to item 3.)

The tuner test mode is started from preset No.1.

The operations of test mode are identical with the ordinary operations of TUNER function. However, FUNCTION switching is invalid.

Since it is necessary to discard the content of preset memory when the tuner test mode is ended, "0000" or "1111" bits are written in the memory to be checked in case of memory check (in case of initial setting) so that memory abnormality is detected in case of initial setting so as to ensure memory initialization.

When the tuner test mode is turned on, the following indication lights for one second.

TE5T-2

• The TUNER TEST2 mode is set as a result of BASS/TREBLE+ REW/REV. -> POWER OFF -> IF AC is set to OFF in the TEST2 mode, the initial state is restored.

When POWER is set to OFF, the memory of TEST2 mode is protected.

When the power is turned on again, the ordinary operation is enabled while the data is stored in the memory (besides TUNER).

If AC OFF state is maintained in this state for about 1/2 day, start is executed in the initial state.

• To clear the whole memory, insert the AC cord, holding down MEMORY + STOP.

3. Preset frequencies for various destinations (random preset memory)

СН	BAND	Europe 2, 4
1		FM 87.50 MHz
2		FM108.00 MHz
3	FM	FM 98.00 MHz
4	STEREO	FM 90.00 MHz
5		FM106.00 MHz

СН	BAND	Europe 2, 4
6		AM 531 kHz
7		AM1602 kHz
8	AM	AM 990 kHz
9		AM 603 kHz
10		AM1404 kHz
11-15	LW	

СН	BAND	Europe 2, 4
16-25		
26		FM106.00 MHz
27		FM 90.00 MHz
28	FM	FM 98.00 MHz
29	MONO	FM108.00 MHz
30		FM 87.50 MHz

• The hatched sections of the table are not stored in memory.

4. Electronic volume Test Mode (TEST 3)

When the test mode is set, the following indication lights for one second.

When this mode is set, BASS/TREBLE is set to 0 (0 dB) and start-up function is set to CD when volume is -14 dB (STEP 23). The button operations in the test mode are the same as those of ordinary operation excepting sound volume UP/DOWN.

- (1) The indication is the same as that of ordinary operation excepting test mode setting.
- (2) The sound volume control with the sound volume UP/DOWN button is only the following 3 steps unlike the ordinary state.

Volume- ∞ (STEP 0) <-> Volume-14 dB (STEP 23) <-> Volume-0 (STEP 30)

(3) BASS/TREBLE is switched when button operation is performed.

5. Timer test Mode (TEST 4)

When the test mode is set, the following indication lights for one second.

The current time and timer time are set in the following procedure to perform the timer playback.

1.Set the current time to 1:00, set the timer to ON time 1:05, set the function to Aux, and set volume STEP 12. One minute is counted as one second, and the timer playback operation is performed. The fade-in (when playback is started) is executed at a rate of one step for 1 sec. After completion of fade-in the fade-out is executed at a rate of one step for 1 sec (WAIT 1 sec inserted). After completion of fade-out the power is turned off (after WAIT 1 sec), and the mode is changed to the standby mode. The indication during operation is the same as that of ordinary timer operation.

6. LCD Test Mode (TEST 5)

When the LCD test mode is set, all the LCD segments are lighted. After that the indication is changed as follows according to the "PLAY" button input.

Lighting of all segments → Lighting of odd segments → Lighting of even segments

7. Key input diagnosis Test Mode (TEST 6)

When the test mode is set, the following indication appears.

This test mode is intended to check whether all the main unit buttons can be detected. Accordingly, in this test mode checking as to whether the "POWER ON/STAND-BY" button was pressed after all the buttons shown below were pressed is performed. If the result is OK, OK is indicated. Even any one of keys was not pressed, an error is indicated. In case of OK termination or error termination exit from this mode occurs when the "POWER ON/STAND-BY" button is pressed next time, and the standby mode is set.

1. In case of "MEMORY/SET" + "PLAY"+ "POWER ON/STAND-BY"

Since SURROUND and RDS are not provided, the following 9 buttons are detected as all buttons. PLAY, POWER ON/STAND-BY, BAND, BASS/TREBLE, FUNCTION, MEMORY/SET, REC PAUSE, REW, FF, STOP.

The OK/NG indication of test result is as follows.





ERROR LIST

PU-IN SW detection error

Error content The detection SW cannot detect ON after a fixed period of time even if the microcomputer controls the CD pickup

to return to the innermost position.

Probable cause Defective or poorly connected PU-IN

SW or slide motor.

Action Solve the problem and turn on the power again.

CD read error

Ed Error

Error content Disc data cannot be read properly or even if it can be read, the disc is not a

playable one.

Probable cause The disc is loaded upside down, not CD-

DA, scratches, stains, etc.

Action Open the CD lid, then reload the disc correctly. Remove the scratches or stains

on the disc.

NO DISC

no d 150

Error content Focusing is impossible.

Probable cause The disc is loaded upside down, not CD-

DA, scratches, stains, etc.

Action Open the CD lid, then reload the disc correctly. Remove the scratches or stains

on the disc.

Tape mechanism error 1

Er - 7800

Error content The detection SW "CAM-SW" cannot detect ON (mechanism in operation) even if the motor and solenoid are controlled

to play back, fast forward, rewind, or

record the tape.

Probable cause Mechanism is in operation when this

message appears: Defective or poorly connected CAM-SW. Mechanism stops: Defective or poorly connected motor or

solenoid.

Action Solve the problem and turn on the power

again.

Tape mechanism error 2

Er - 180 (

Error content Initialization cannot be completed when the microcomputer controls the motor

and solenoid to initialize the tape mechanism (to set the mechanism to the stop mode). The detection SW "CAM-SW" cannot detect OFF While the

mechanism is in operation.

Probable cause Mechanism is in operation when this message appears: Defective or poorly

connected CAM-SW. Mechanism stops: Defective or poorly connected motor or

solenoid.

Action Solve the problem and turn on the power

again.

NOTES ON SCHEMATIC DIAGRAM

• Resistor:

To differentiate the units of resistors, such symbol as K and M are used: the symbol K means 1000 ohm and the symbol M means 1000 kohm and the resistor without any symbol is ohm-type resistor. Besides, the one with "Fusible" is a fuse type.

· Capacitor:

To indicate the unit of capacitor, a symbol P is used: this symbol P means micro-micro-farad and the unit of the capacitor without such a symbol is microfarad. As to electrolytic capacitor, the expression "capacitance/withstand voltage" is used.

(CH), (TH), (RH), (UJ): Temperature compensation (ML): Mylar type

(P.P.): Polypropylene type

 Schematic diagram and Wiring Side of P.W.Board for this model are subject to change for improvement without prior notice.

REF. NO	DESCRIPTION	POSITION
SW700	VOLUME	ON— <u>OFF</u>
SW701	POWER ON/STAND-BY	ON— <u>OFF</u>
SW702	FUNCTION	ON— <u>OFF</u>
SW703	STOP/CLEAR,TUNING DOWN	ON— <u>OFF</u>
SW704	PLAY/CD PAUSE,TUNING UP	ON— <u>OFF</u>
SW705	BASS/TREBLE	ON— <u>OFF</u>
SW706	MEMORY/SET	ON— <u>OFF</u>

- The indicated voltage in each section is the one measured by Digital Multimeter between such a section and the chassis with no signal given.
 - 1. In the tuner section,
 - () indicates AM
 - < > indicates FM stereo
 - 2. In the main section, a tape is being played back.
 - 3. In the deck section, a tape is being played back.
 - () indicates the record state.
- 4. In the power section, a tape is being played back.
- 5. In the CD section, the CD is stopped.

REF. NO	DESCRIPTION	POSITION
SW707	REC/PAUSE	ON— <u>OFF</u>
SW708	REW/PRESET DOWN	ON— <u>OFF</u>
SW709	FF/PRESET UP	ON— <u>OFF</u>
SW800	PICKUP IN	ON— <u>OFF</u>
SW801	CD LID OPEN/CLOSE	ON— <u>OFF</u>
SW901	FOOL PROOF	ON— <u>OFF</u>
SW902	CAM	ON— <u>OFF</u>

TYPES OF TRANSISTOR AND LED

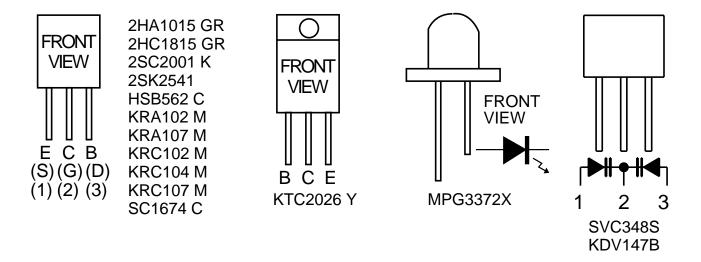


Figure 13 TYPES OF TRANSISTOR AND LED

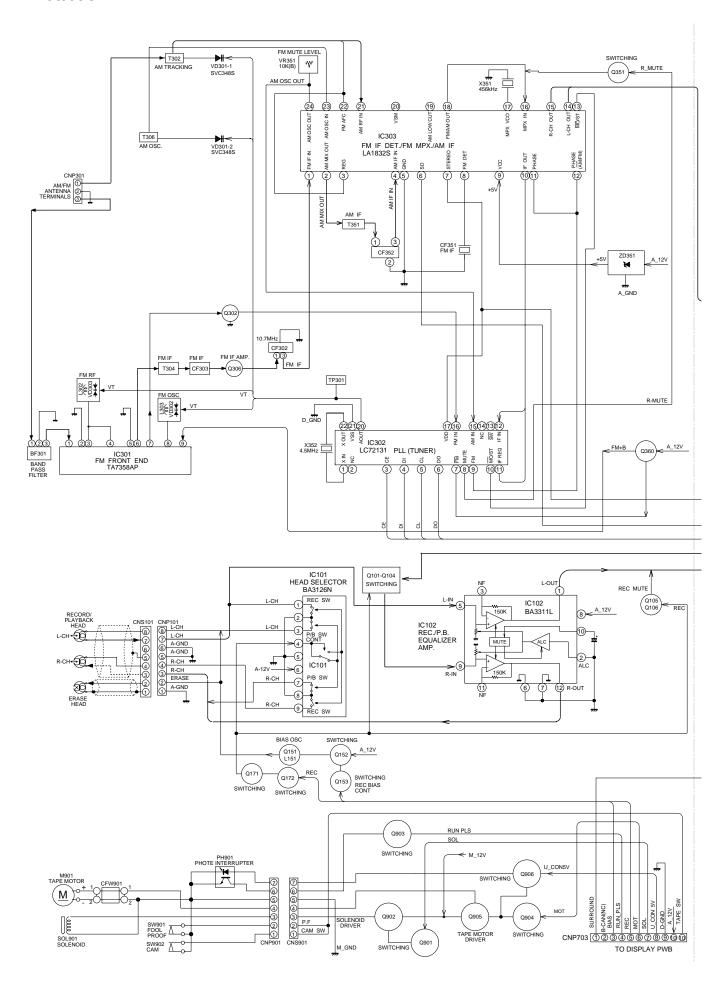


Figure 14 BLOCK DIAGRAM (1/4)

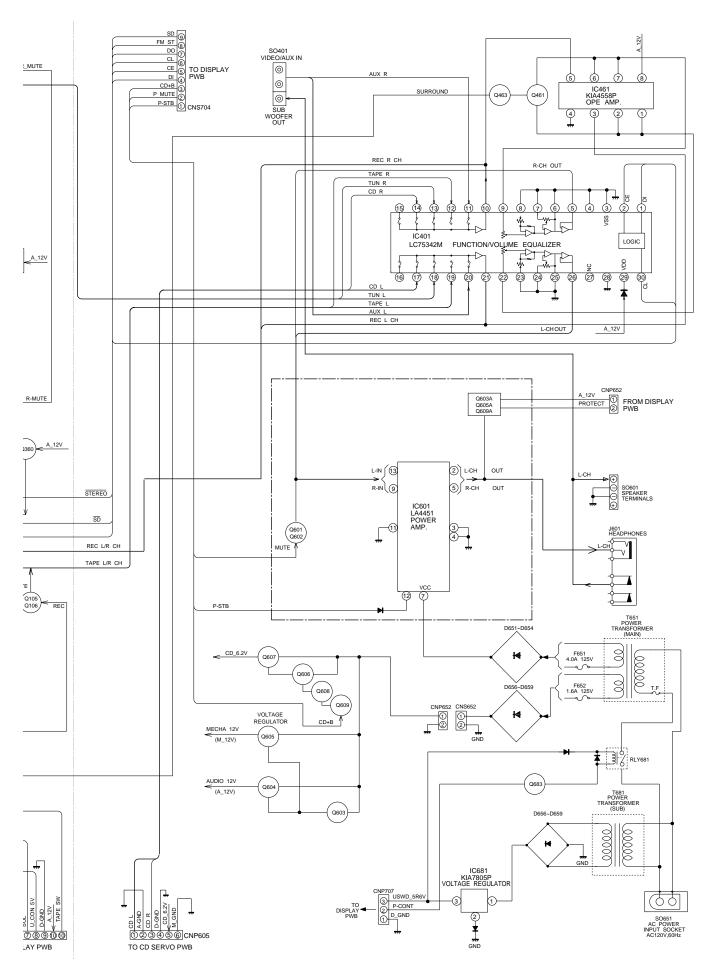


Figure 15 BLOCK DIAGRAM (2/4)

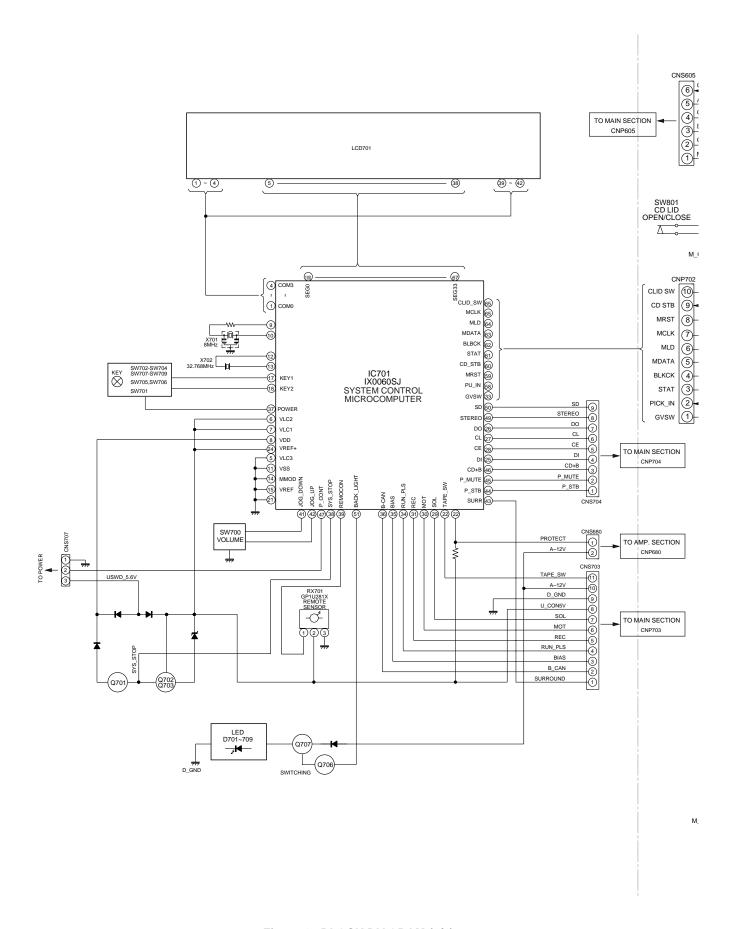


Figure 16 BLOCK DIAGRAM (3/4)

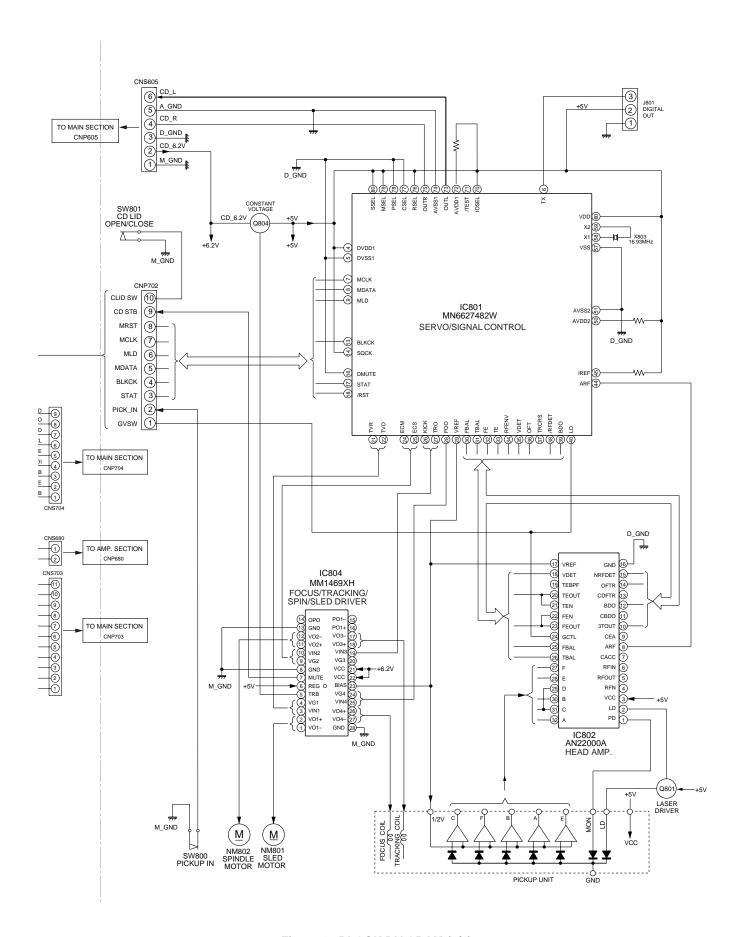
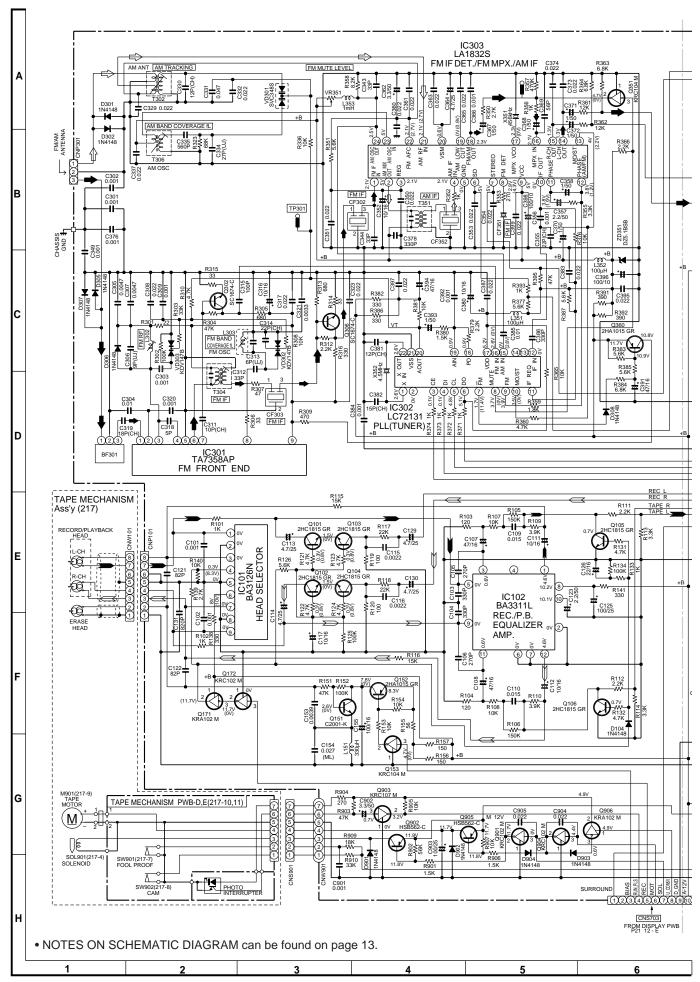
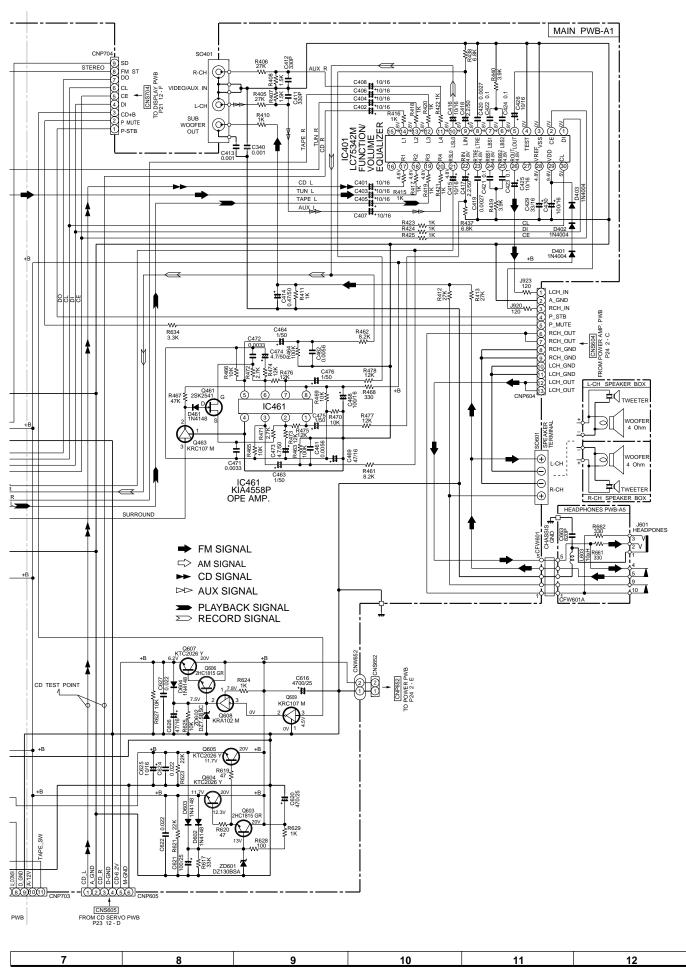
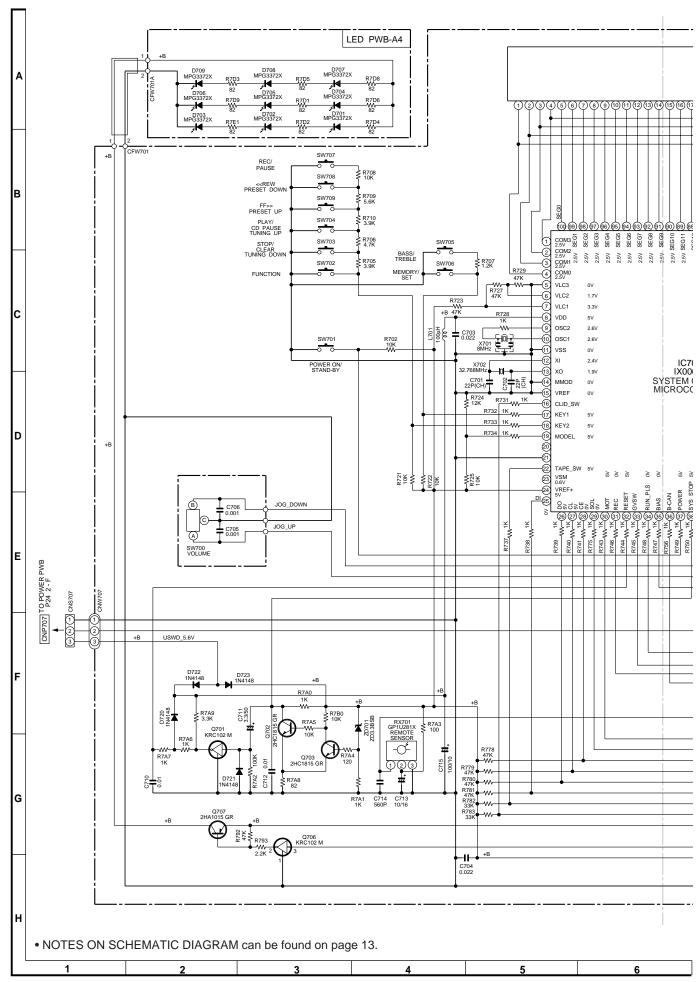
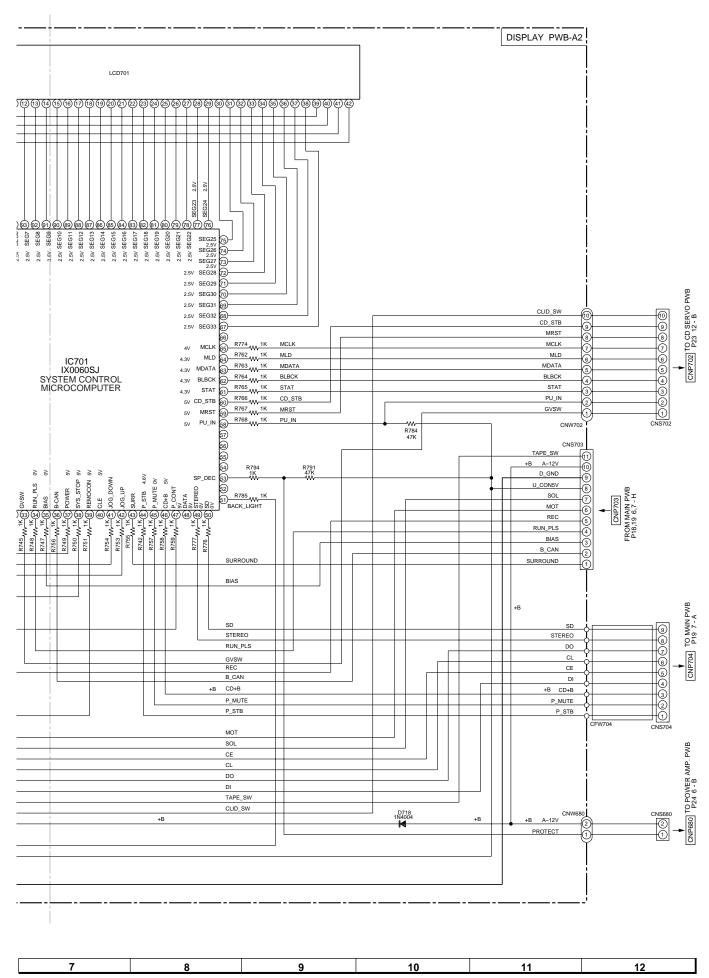


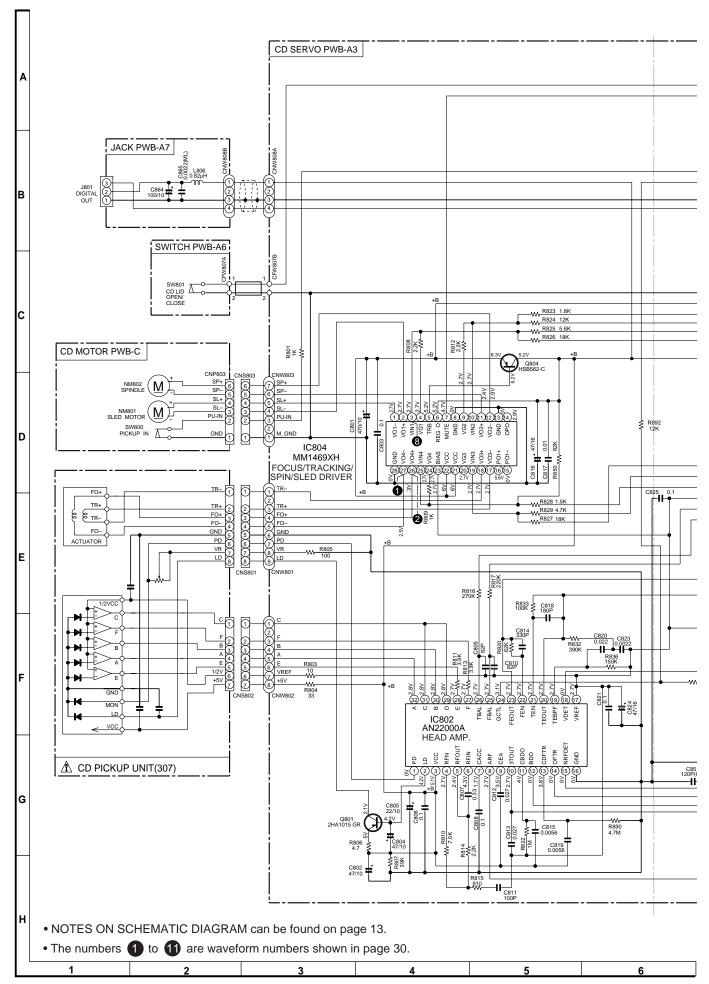
Figure 17 BLOCK DIAGRAM (4/4)

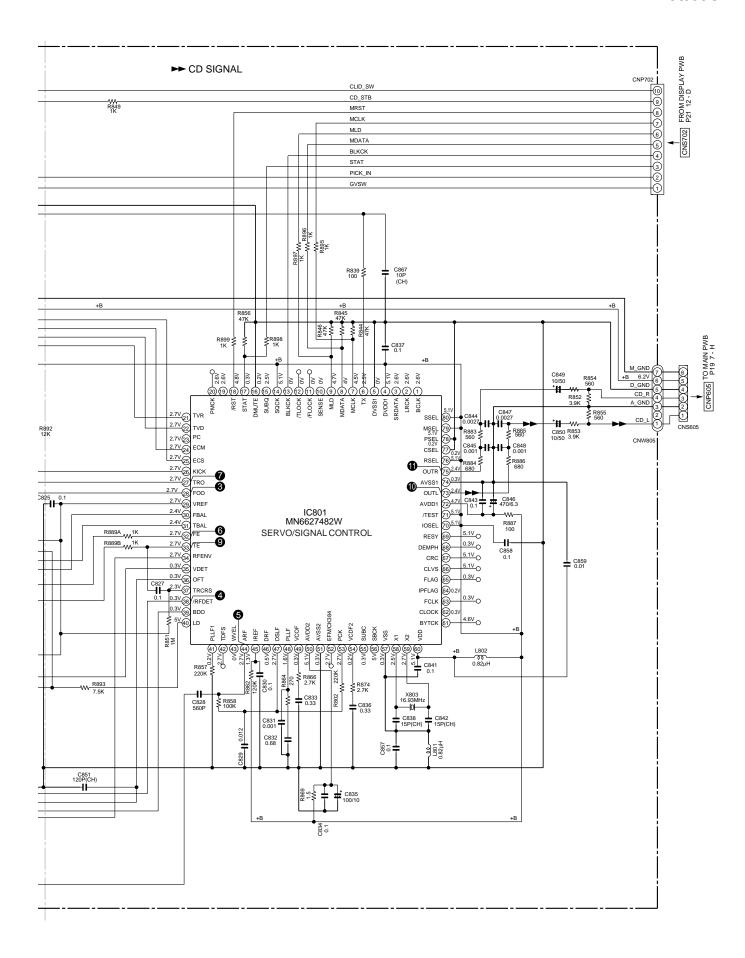


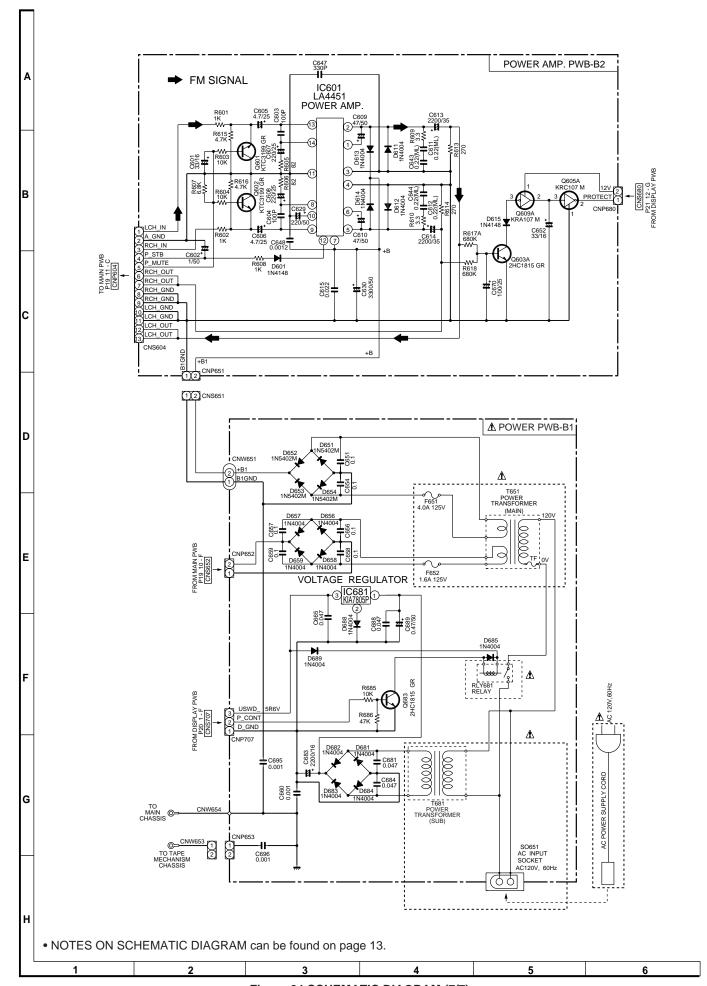


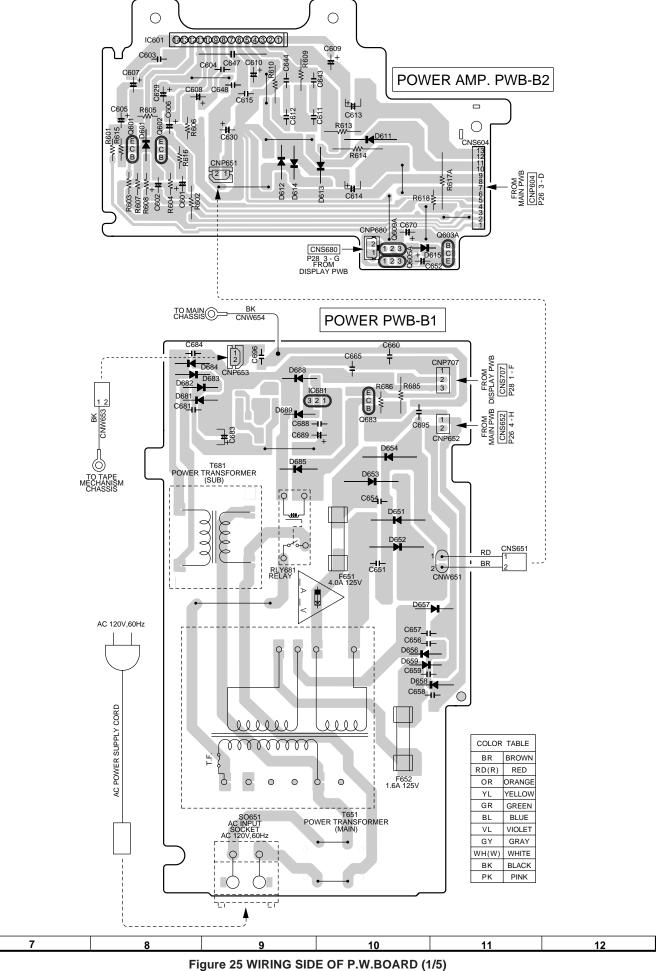


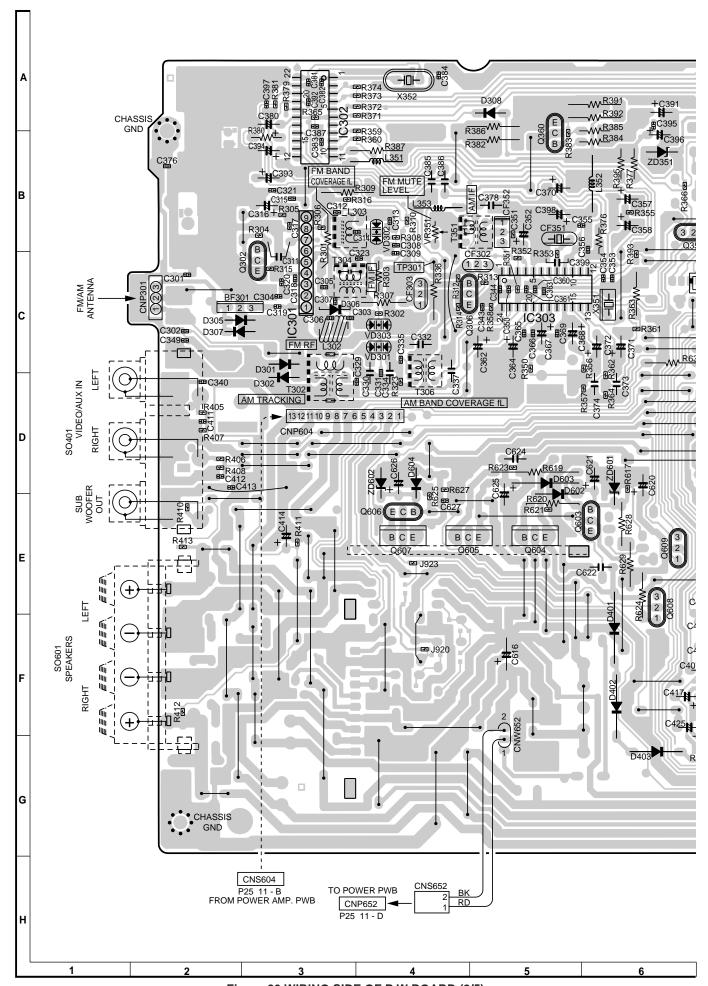




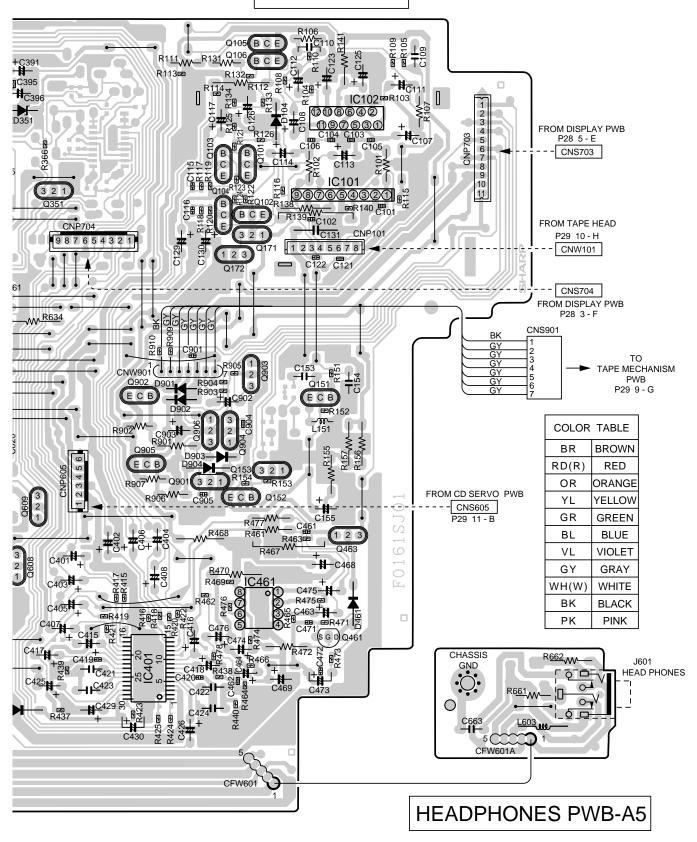


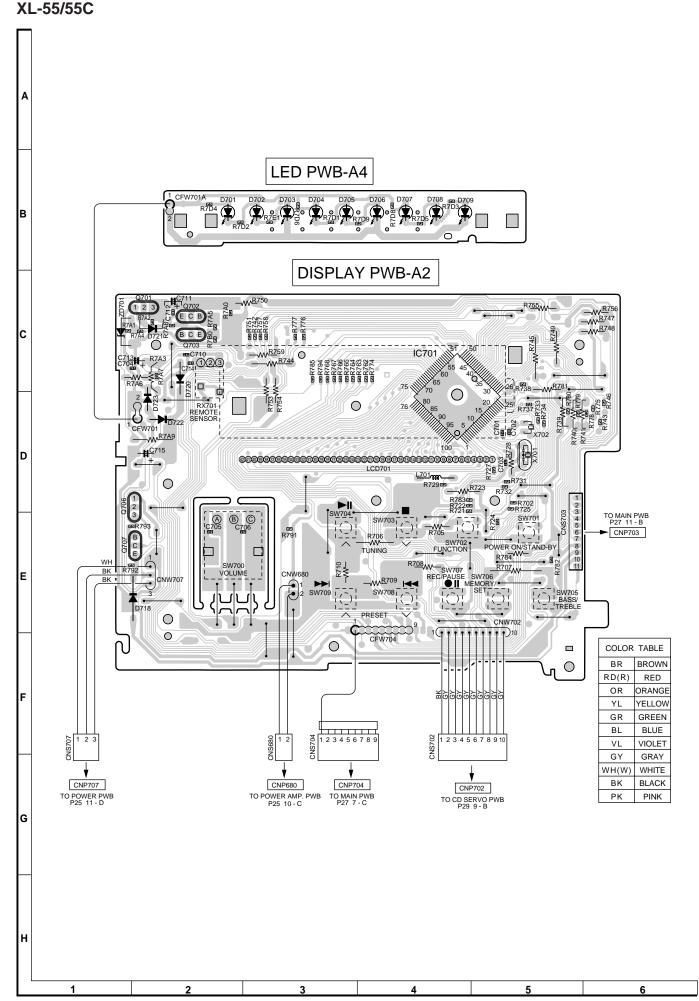


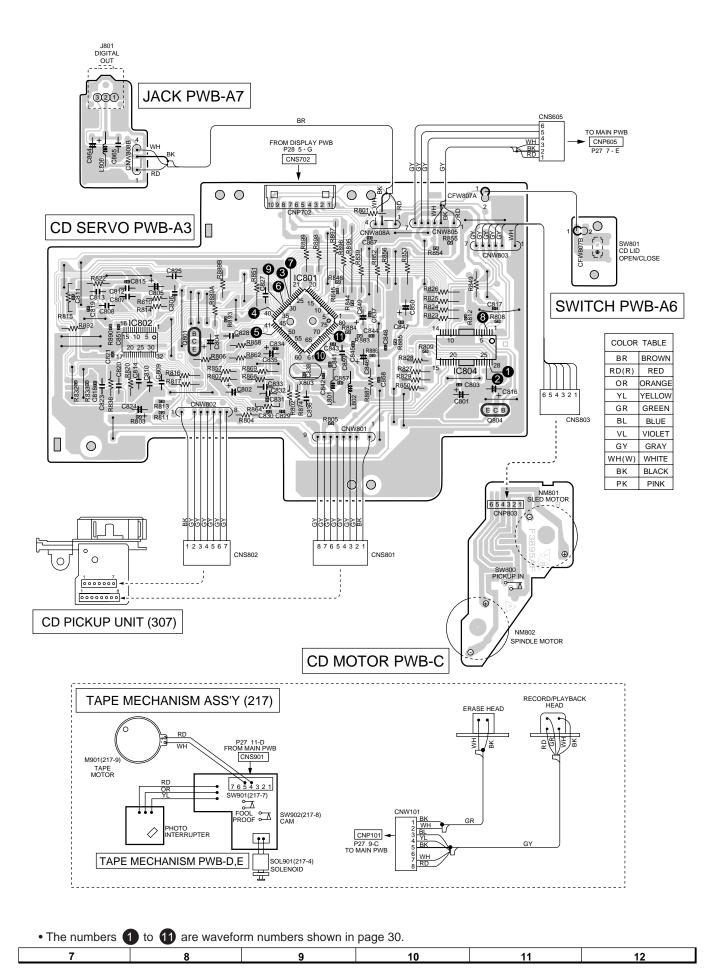




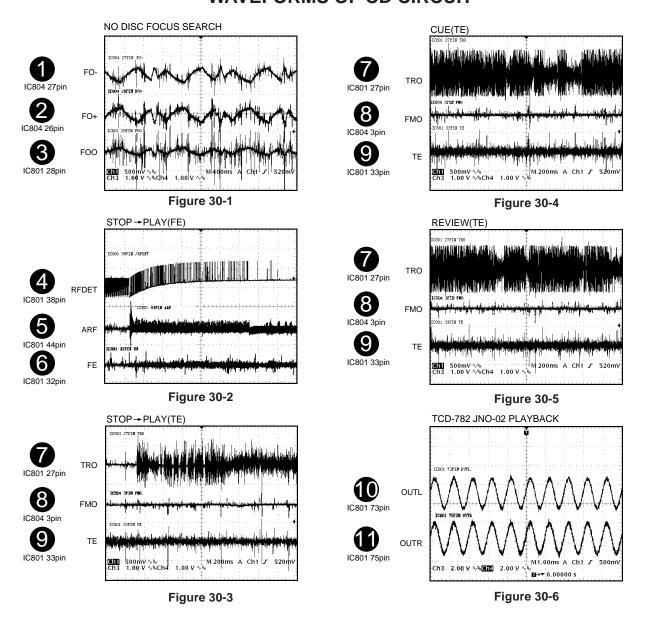
MAIN PWB-A1







WAVEFORMS OF CD CIRCUIT



TROUBLESHOOTING

When the CD does not function

When the CD section does not operate when the objective lens of the optical pickup is dirty, this section may not operate. Clean the objective lens, and check the playback operation. When this section does not operate even after the above step is taken, check the following items.

Remove the cabinet and follow the troubleshooting instructions.

"Track skipping and/or no TOC (Table Of Contents) may be caused by build up of dust other foreign matter on the laser pickup lens. Before attempting any adjustment make certain that the lens is clean. If not, clean it as mentioned below."

Turn the power off.

Gently clean the lens with a lens cleaning tissue and a small amount of isopropyl alcohol.

Do not touch the lens with the bare hand.

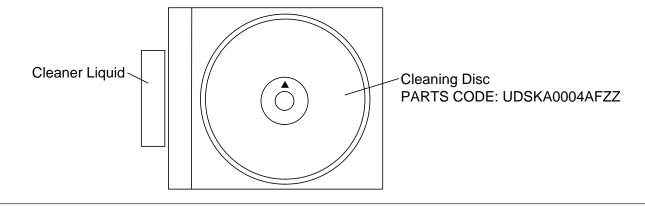
Dust gradually accumulates on the objective lens during use, and it may degrade performance. To avoid this problem, use a cleaning disc designed for CD optical pickup lenses.

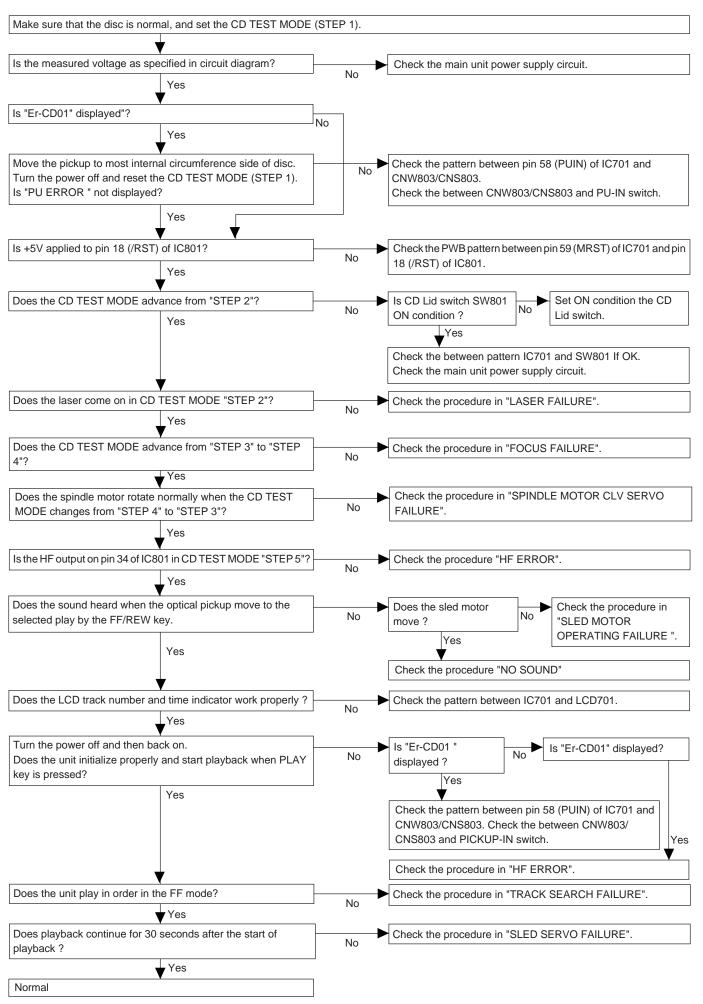
HOW TO USE

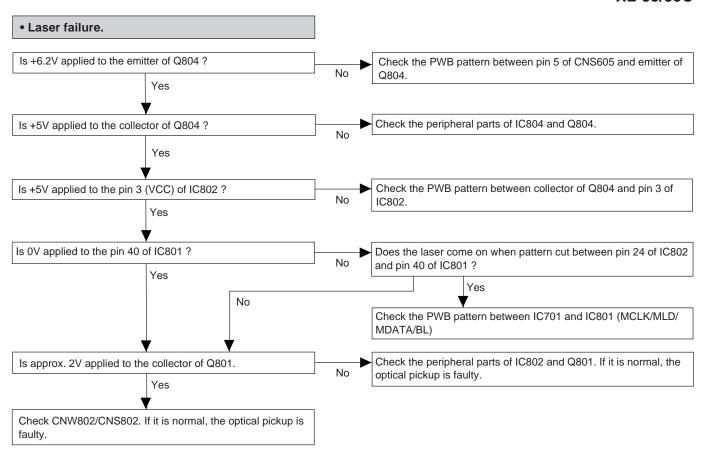
- 1. Using the brush in the cleaner cap, apply 1 or 2 drops of the cleaning fluid to the brush on the CD cleaner disc which has the ▲ mark next to it.
- 2. Place the CD cleaner disc onto the CD disc tray with the brush side down, then press the play button.
- 3. You will hear music for about 20 seconds and the CD player will automatically stop. If it continues to turn, press the stop button.

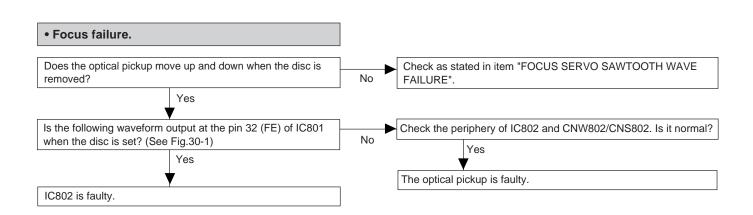
CAUTION

- The CD lens cleaner should be effective for 30~50 operations, however if the brushes become worn out earlier then please replace the cleaner disc.
- If the CD cleaner brushes become very wet then wipe off any excess fluid with a soft cloth.
- Do not drink the cleaner fluid or allow it to come in contact with the eyes. In the event of this happening then drink and / or rinse with clean water and seek medical advice.
- The CD cleaner disc must not be used on car CD players or on computer CD ROM drives.
- All rights reserved. Unauthorized duplicating, broadcasting and renting this product is prohibited by law.

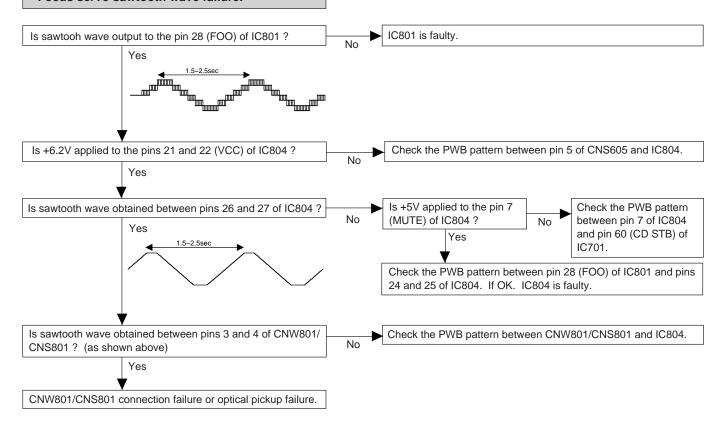




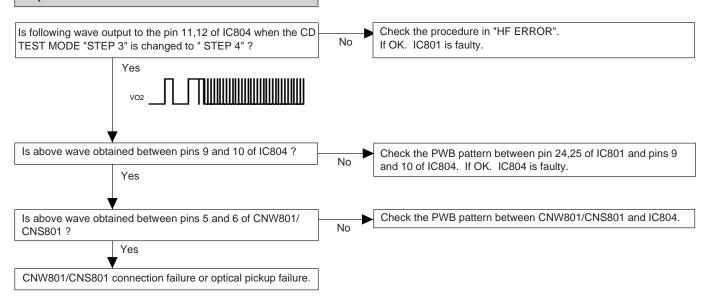


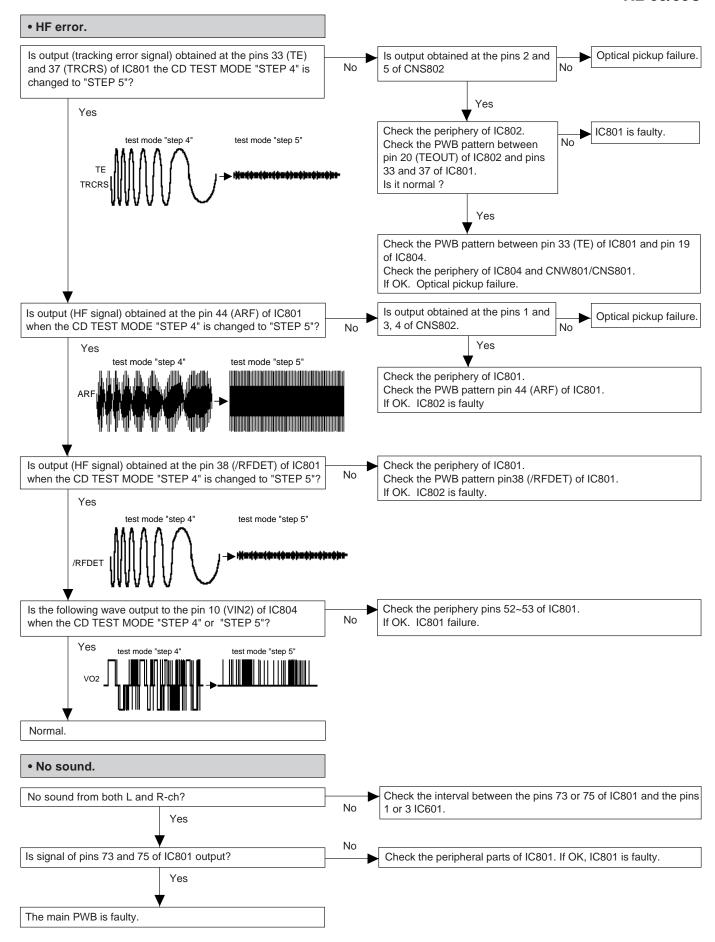


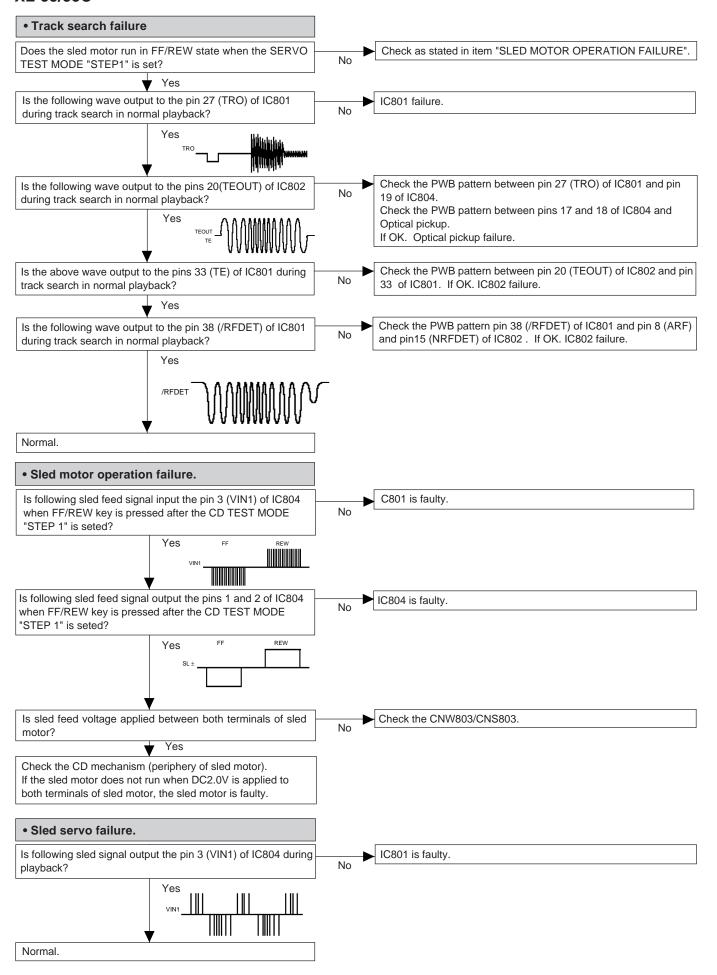
• Focus servo sawtooth wave failure.



• Spindle motor clv servo failure.







FUNCTION TABLE OF IC

IC401 VHiLC75342M-1: Function/Volume Equalizer (LC75342M)

Pin No.	Port Name	Function
1	DI	Serial data and clock input pin for control.
2	CE	Chip enable pin. Data written into an internal latch in a timing of [H] -> [L]. Each analog switch is activated. Data transfer enabled at [H] level.
3	VSS	Ground pin.
4	TEST	Electronic volume control pin. To be set to the VSS potential.
5	LOUT	Volume + equalizer output pin.
6	LBASS2	Bass-band filter comprising capacitor and resistor connection pin.
7	LBASS1	Bass-band filter comprising capacitor and resistor connection pin.
8	LTRE	Capacitor connection pin comprising treble band filter.
9	LIN	Volume + equalizer input pin.
10	LSEL0	Input selector output pin.
11	L4	Input signal pin.
12-14	L3-L1	Input signal pin.
15*	NC	No CONNECT pin. To be open or connected to VSS.
16*	NC	No CONNECT pin. To be open or connected to VSS.
17-19	R1-R3	Input signal pin.
20	R4	Input signal pin.
21	RSEL0	Input selector output pin.
22	RIN	Volume + equalizer input pin.
23	RTRE	Capacitor connection pin comprising treble band filter.
24	RBASS1	Bass-band filter comprising capacitor and resistor connection pin.
25	RBASS2	Bass-band filter comprising capacitor and resistor connection pin.
26	ROUT	Volume + equalizer output pin.
27*	NC	No CONNECT pin. To be open or connected to VSS.
28	Vref	0.5 x VDD voltage generation block for analog ground. Capacitor of several 10μF to be connected between Vref and AWSS (VSS) as a counter measure against power ripple.
29	VDD	Supply pin.
30	CL	Serial data and clock input pin for control.
	1	

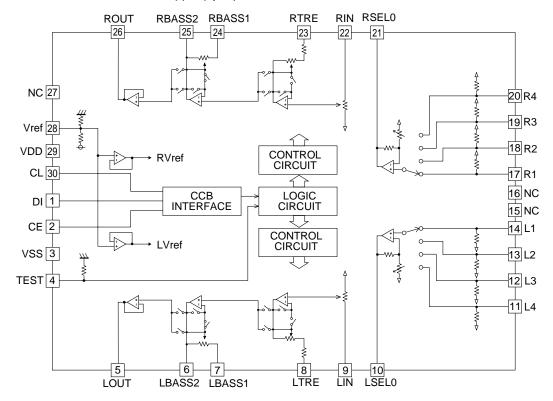


Figure 37 BLOCK DIAGRAM OF IC

XL-55/55C

IC701 RH-iX0060SJZZ: System Control Microcomputer (IX0060SJ) (1/2)

Pin No.	Terminal Name	Input/Output	Function
1-4	COM3-COM0	Output	LCD common output terminal.
5-7	VLC3-VLC1	_	LCD power supply terminal.
8	VDD	_	Microcomputer power supply +5V.
9	OSC2	Output	Oscillator ground terminal for main clock. f=8MHz
10	OSC1	Input	Oscillator ground terminal for main clock. f=8MHz
11	VSS	<u> </u>	Microcomputer power supply GND.
12	XI	Input	Oscillator ground terminal for sub clock. f=32.768kHz
13	хо	Output	Oscillator ground terminal for sub clock. f=32.768kHz
14	MMOD	Input	Memory mode selection terminal.
15	VREF-	_	Power supply GND for AD converter.
16	KEY0 AN0/PA0	Input	CD lid status detection input.
17	KEY1 AN0/PA1	Input	Operation button input, Max-8 buttons.
18	KEY2 AN0/PA2	Input	Operation button input, Max-8 buttons.
19	KEY3 AN0/PA3	Input	MODEL/TUNER destination input.
20*	KEY4 AN0/PA4	Input	Current detection of CD lid control motor. Used to decide the CD lid drive error to control it.
21	KEY5 AN0/PA5	Input	CD servo auto adjustment mode selection input.
22	KEY6 AN0/PA6	Input	Tape mechanism operating status detection input.
			Decides the F.P/CAM-SW status with A/D value.
23*	KEY7 AN7/PA7	Input	Tuner signal meter (S meter) voltage input terminal.
24	VREF+	_	Power supply for A/D converter +5V.
25	TXD SBO0/P00	Output	Data output terminal to TUNER PLL IC.
26	RXD SBI0/P01	Input	Data input from TUNER PLL IC
27	SBT0/P02	Output	Synchronous clock output with TUNER PLL IC
28	SBO1/P03	Output	Enable output of TUNER PLL IC. "L" = OFF, "H" = ON
29	SBI1/P04	Output	Tape mechanism solenoid drive control output.
30	SBT1/P05	Output	Tape mechanism motor drive control output.
31	DK/BZER P06	Output	Recording/playback selection output of tape circuit. "H" = Recording mode, "L" = Playback mode
32	RST/P27	Input	Reset signal input
33	RMOUT P10	Input	GVSW input.
34	P11	Input	Tape run/END detection input. Decided as tape run if pulse is input.
35	TM2IO P12	Output	Recording bias oscillation circuit control output. "H" = Bias oscillation, "L" = oscillation stop.
36	TM3IO P13	Output	Recording bias oscillation frequency selection control output.
37	TM4IO P14	Input	Power (POWER) button input detection.
38	IRQ0 P20	Input	Switches to the HALT mode when changing to . "L" at power failure detection input.
39	SENS IRQ1/P21	Input	Remote control signal input.
40*	IRQ2 P22	Input	Synchronous clock input with RDS IC.
41	IRQ3 P23	Input	Jog dial UP pulse input.
42	IRQ4 P24	Input	Jog dial DOWN pulse input.
43*	P30	Output	SURROUND control output.
44	P31	Output	POWER IC STAND-BY terminal CONTROL.
45	P32	Output	Power mute output. "H" = MUTE ON, "L" = MUTE OFF
46	LED0 WE/P50	Output	CD servo power supply circuit control output. "H" = CD power ON, "L" = CD power OFF
47	LED1 RE/P51	Output	Main TRANS RELAY CONTROL. "H" = ON, "L" = OFF
48*	LED2 CS/P52	Input	Data input from RDS IC.
49	LDE3/S51 A16/P53	Input	Radio stereo broadcast reception detection input. "L" = During stereo broadcast reception
50	LED4/S50 A17/P54	Input	Broadcast reception status detection input. "L" = During broadcasting signal reception
51	SEG49 P60/A0	Output	LCD backlight control signal output. "H" = Backlight ON, "L" = Backlight OFF
52*	SEG48 P61/A1	Output	Speaker relay control.
O_			

IC701 RH-iX0060SJZZ: System Control Microcomputer (IX0060SJ) (2/2)

Pin No.	Terminal Name	Input/Output	Function
54*	SEG46 P63/A3	Output	Power IC amplifier detect.
55*	SEG45 P64/A4	Output	Fan control.
56*	SEG44 P65/A5	Output	
57*	SEG43 P66/A6	Output	
58	SEG42 P67/A7	Input	CD pickup position detection SW input. "L" = Innerst periphery
59	SEG41 P70/A8	Output	Reset signal output for MN8827482W
60	SEG40 P71/A9	Output	ON/OFF output terminal of CD servo control IC. "H" = Servo ON, "L" = Servo stand-by
61-64	SEG39 P72/A10- SEG36 P75/A13	Input/Output	Data input/output terminal for MN8827482W control.
65	SEG35 P76/A14	Output	Data synchronous clock output for MN8827482W.
66*	SEG34 P77/A15	Output	Chip enable terminal for MN8827482W. "L" = BUS terminal active
67	SEG33 P87/D7	_	LCD segment output.
68	SEG32 P86/D6	_	LCD segment output.
69-73, 74	SEG31 P85/D5- SEG26 P80/D0	_	LCD segment output
75-93,100	SEG25-SEG0	_	LCD segment output

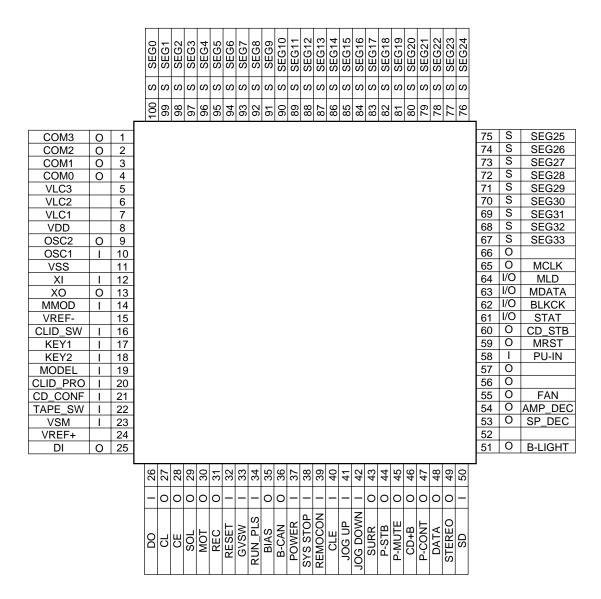


Figure 39 BLOCK DIAGRAM OF IC

XL-55/55C

IC801 VHiMN6627482W: Servo/Signal Control (MN6627482W) (1/2)

Pin No.	Terminal Name	Input/Output	Function
1*	BCLK	Output	SRDATA bit clock output.
2*	LRCK	Output	L/R identification signal output.
3*	SRDATA	Output	Serial data output.
4	DVDD1	Input	Digital circuit power supply.
5	DVSS1	Input	Digital circuit GND.
6*	TX	Output	Digital audio interface output signal.
7	MCLK	Input	Microcomputer command clock signal input. (Data latch at the rising edge.)
8	MDATA	Input	Microcomputer command data input.
9	MLD	Input	Microcomputer command load signal input. L: Load
10*	SENSE	Output	Sense signal output. (OFT, FESL, NACEND, NAJEND, SFG)
11*	/FLOCK	Output	Focus servo lead-in signal. (L: Lead-in)
12*	/TLOCK	Output	Tracking servo lead-in signal. (L: Lead-in)
13	BLKCK	Output	Subcode block clock signal. (fBLKCK=75 Hz)
14	SQCK, GIO0	Input	Default: external clock input for subcode Q resistor. Command execution: general purpose I/O port. CD-TEXT mode 2: TEXT data read clock input.
15*	SUBQ	Output	Subcode Q data output. CD-TEXT mode 2: TEEXT data output.
16	DMUTE	Input	Muting input. (Effective only at bit rate 64fs output.) H: Mute
17	STAT	Output	Status signal. (CRC, STCNT, CLVS, TTSTOP, JCLVS, SQOK, FLAG6, SENE, FLOCK, TLOCK, revolving speed data, FCLV, SUBQ, SYFLG) CD-TEXT mode 3: subcode Q and TEXT data output.
18	/RST	Input	Reset input (L: Reset)
19*	SMCK	Output	MSEL=H: 8.4672 MHz clock signal output. MSEL=L: 4.2336 MHz clock signal output.
20*	PMCK, PLAY	Output	Default: 88.2 kHz clock signal output. Command execution: Play signal output. H: play
21	TRV	Output	Traverse forcing transmission output. 3-State
22	TVD	Output	Traverse drive output.
23*	PC	Output	Spindle motor ON output. L: ON (Default)
24	ECM	Output	Spindle motor drive signal. (Forcing mode output.) 3-State
25	ECS	Output	Spindle motor drive signal. (Servo error signal output.)
26	KICK	Output	Kick pulse output. 3-State
27	TRD	Output	Tracking drive output.
28	FOD	Output	Focus drive output.
29	VREF	Input	DA output section (TVD, ECS, TRD, FOD, FBAL, TBAL, TOFS) reference voltage.
30	FBAL	Output	Focus balance adjustment output.
31	TBAL	Output	Tracking balance adjustment output.
32	FE	Input	Focus error signal input. (Analog input)
33	TE	Input	Tracking error signal input. (Analog input)
34	RFENV	Input	RF envelope signal input. (Analog input)
35	VDET	Input	Oscillation detection signal input. H: Detection
36	OFT	Input	Off track signal input. H: Off track
37	TRCRS	Input	Track cross signal input. (Analog input)
38	/RFDET	Input	RF detection signal input. L: Detection
39	BDO	Input	Drop out signal input. H: Drop out
40	LDON	Output	Laser ON signal output. H: ON
41	PLLF2	Input/Output	Loop filter characteristic switch terminal for PLL.
42*	TOFS	Output	Tracking offset adjustment output. (Shared with general purpose DA output terminal.)
43*	WVEL	Output	Double-speed status signal output. H: Double-speed
44	ARF	Input	RF signal input.
45	IREF	Input	Reference current input terminal
46*	DRF	Input	DSL bias terminal.

IC801 VHiMN6627482W: Servo/Signal Control (MN6627482W) (2/2)

Pin No.	Terminal Name	Input/Output	Function
47	DSLF	Input/Output	DSL loop filter terminal.
48	PLLF	Input/Output	PLL loop filter terminal.
49	VCOF	Input/Output	VCO loop filter terminal.
50	AVDD2	Input	Analog circuit power supply. (DSL, PLL and DA output sections for AD)
51	AVSS2	Input	Analog circuit GND. (DSL, PLL and DA output sections for AD)
52*	EFM, CK384	Output	· IOSEL=H: EFM signal output. · IOSEL=L: X-tal system 16.9344 MHz clock output. Signal processing system: 384fs output. (VCO clock for jitter-free operation) (X-tal system or signal processing system can be selected by the command.)
53	PCK, DSLB	Output	PLL extraction clock output or DSL balance output. fPCK-4.3218 MHz
54	VCOF2	Input/Output	Loop filter terminal for digital servo 33.8688 MHz creation VCO. X-tal 16.9344 MHz: external circuit is needed.
55*	SUBC	Output	Subcode serial output. CD-TEXT mode 1: TEXT data output.
56*	SBCK	Input	Subcode serial output clock input. CD-TEXT mode 1: TEXT data read clock input
57	VSS	Input	Oscillation circuit GND.
58	X1	Input	Oscillation circuit input terminal. f=16.9344 MHz, 33.8688 MHz
59	X2	Output	Oscillation circuit output terminal. f=16.9344 MHz, 33.8688 MHz
60	VDD	Input	Oscillation circuit power supply.
61*	BYTCK, TRVSTP	Output	IOSEL=H: byte clock signal output. IOSEL=L: traverse STOP signal output. H: STOP Mode
62*	GIO1, /CLDCK	Output	Default: general purpose I/O port. Command execution: terminal for subcode frame clock signal output. (fCLDCK=7.35 kHz)
63*	GIO2, FCLK	Output	Default: general purpose I/O port. Command execution: crystal frame clock signal output. (fFCLK=7.35 kHz)
64*	IPFLAG	Output	Interpolation flag signal output. H: Interpolation
65*	FLAG	Output	Flag signal output.
66*	CLVS	Output	Output for spindle servo phase synchronization signal. H: CLV, L: Rough servo
67*	CRC	Output	Default: output for subcode CRC check results. H: OK, L: NG
68*	DEMPH	Output	Demphasis detection signal output. H: ON
69*	RESY, FLAG6	Output	IOSEL= H: resync signal RESY output for frame synchronization. H: Synchronization, L: Synchronization lost IOSEL=L: RAM address reset signal for error correct deinterleave. FLAG 6 output L: Address reset
70	IOSEL	Input	Mode switch terminal.
71	/TEST	Input	Test terminal. Normal: H
72	AVDD1	Input	Analog circuit power supply. (Audio output section (for both Lch and Rch))
73	OUTL	Output	Lch audio output.
74	AVSS1	Input	Analog circuit GND. (Audio output section (for both Lch and Rch))
75	OUTR	Output	Rch audio output.
76	RSEL, GIO3	Input	Default: RF signal polarity specification terminal. Brightness H: RESEL=H Brightness L: RESEL=L Command execution: general purpose I/O port. RF signal polarity can be specified by command. CD-TEXT mode 1 or 2: TEXT data read enabling signal (DQSY) output
77	CSEL	Input	Oscillation frequency specification terminal. H: Oscillation frequency=33.8688 MHz L: Oscillation frequency=16.9344 MHz
78	PSEL	Input	IOSEL=H: test terminal. (Normal: L) IOSEL=L: SRDATA input.
79	MSEL	Input	IOEL=H: SMCK terminal output, frequency switch terminal. H: SMCK=8.4672 MHz L: SMCK=4.2336 MHz IOSEL=L: LRCK input H: Lch data, L: Rch data SMCK=4.2336 MHz fixed
80	SSEL	Input	IOSEL=H: switch terminal for SUBQ terminal output mode. H: Q code buffer mode L: CLDCK synchronization mode IOSEL=L: BCLK input Q code buffer mode fixed

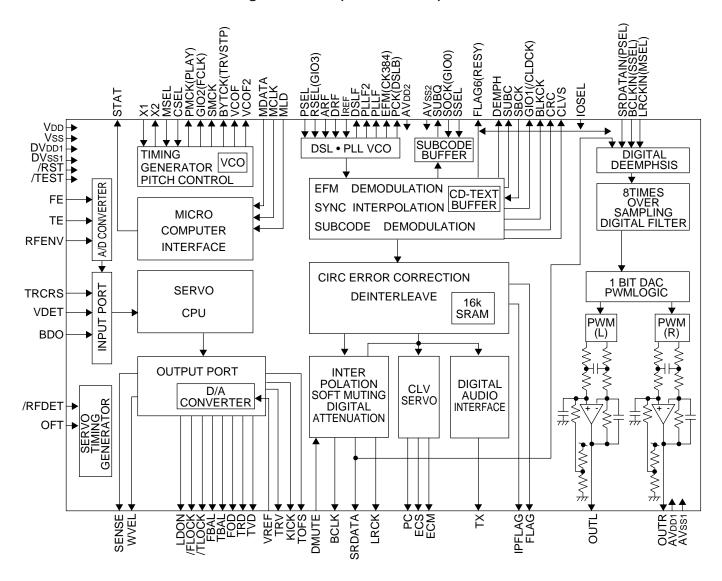


Figure 42 BLOCK DIAGRAM OF IC

IC802 VHiAN22000A-1: Head Amp. (AN22000A)

	,	11110dd 7411p1 (741220074)
Pin No.	Terminal Name	Function
1	PD	APC amp input.
2	LD	APC amp output.
3	VCC	Power supply.
4	RFN	RF amp inverting input.
5	RFOUT	RF addition amp output.
6	RFIN	AGC amp input.
7	CAGC	AGC loop filter connection.
8	ARF	AGC output.
9	CEA	Capacitor for HPF-amp connection.
10	3TOUT	3T-ENV output.
11	CBDO	Capacitor for RF dark-side envelope detection connection.
12	BDO	BDO output.
13	COFTR	Capacitor for RF bright-side envelope detection connection.
14	OFTR	OFTR output.
15	NRFDET	NRFDET output.
16	GND	Ground
17	VREF	VREF output.
18	VDET	VDET output.
19	TEBPF	VDET input.
20	TEOUT	TE amp output.
21	TEN	TE amp inverting input.
22	FEN	FE amp inverting input.
23	FEOUT	FE amp output.
24	GCTL	Gain & APC control.
25	FBAL	FBAL control.
26	TBAL	TBAL control.
27	E	Tracking signal input 1.
28	F	Tracking signal input 2.
29	D	Focus signal input 4.
30	В	Focus signal input 2.
31	С	Focus signal input 3.
32	А	Focus signal input 1.

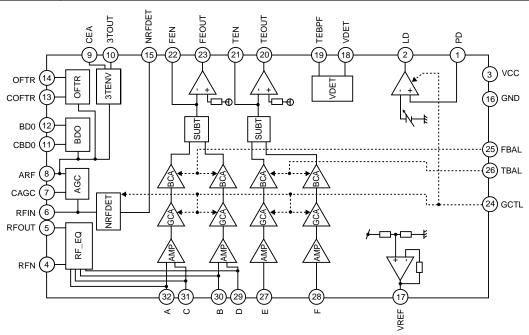
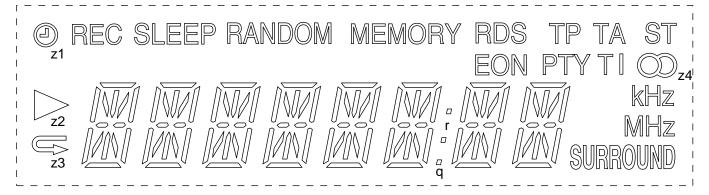


Figure 43 BLOCK DIAGRAM OF IC

LCD701: RV-LX0007SJZZ LCD Display



1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42

PinNo	com1	com2	com3	com4
1	com1			
2		com2		
3			com3	
4				com4
5	z1	b1	c1	z2
6	h1	j1	l1	k1
7	g1	n1	m1	d1
8	a1	p1	f1	e1
9	REC	b2	c2	z3
10	h2	j2	12	k2
11	g2	n2	m2	d2
12	a2	p2	f2	e2
13	SLEEP	b3	с3	MHz
14	h3	j3	13	k3
15	g3	n3	m3	d3
16	a3	р3	f3	e3
17	RANDOM	b4	c4	kHz
18	h4	j4	14	k4
19	g4	n4	m4	d4
20	a4	p4	f4	e4
21	MEMORY	b5	c5	z4

DipNo	20001	2000	2022	20224
PinNo	com1	com2	com3	com4
22	h5	j5	15	k5
23	g5	n5	m5	d5
24	а5	p5	f5	e5
25	RDS	b6	c6	ST
26	h6	j6	16	k6
27	g6	n6	m6	d6
28	а6	p6	f6	e6
29	r	b7	с7	q
30	h7	j7	17	k7
31	g7	n7	m7	d7
32	a7	p7	f7	e7
33	TP	b8	c8	
34	h8	j8	18	k8
35	g8	n8	m8	d8
36	a8	p8	f8	e8
37	EON	PTY	TI	TA
38				SRS(0)
39				com4
40			com3	
41		com2		
42	com1			

Figure 44 LCD SEGMENT

SHARP PARTS GUIDE

MICRO COMPONENT SYSTEM

MODEL

XL-55

XL-55 Micro Component System consisting of XL-55 (main unit) and CP- XL55 (speaker system).

MODEL XL-55C

XL- 55C Micro Component System consisting of XL- 55C (main unit) and CP- XL55 (speaker system).

"HOW TO ORDER REPLACEMENT PARTS"

To have your order filled promptly and correctly, please furnish the following information.

★ MARK: SPARE PARTS-DELIVERY SECTION

1. MODEL NUMBER

2. REF. No.

3. PART NO.

4. DESCRIPTION

For U.S.A. only -

Contact your nearest SHARP Parts Distributor to order.

For location of SHARP Parts Distributor, Please call Toll-Free; 1-800-BE-SHARP

Explanation of capacitors/resistors parts codes

If there are no indications for the electrolytic capacitors, error is $\pm 20\%$.

Resistors

VRD Carbon-film type

VRS Carbon-film type

VRN Metal-film type

VR • MF Cylindrical type (without lead wire)

VR • MN Cylindrical type (without lead wire)

VR • TV Square type (without lead wire)

VR • TQ ... Square type (without lead wire)

VR • CY ... Square type (without lead wire)

VR • CY ... Square type (without lead wire)

VR • CZ ... Square type (without lead wire)

VR • TQ ... Square type (without lead wire)

VR • TQ ... Square type (without lead wire)

VR • TQ ... Square type (without lead wire)

VR • TQ ... Square type (without lead wire)

VR • TQ ... Square type (without lead wire)

VR • TQ ... Square type (without lead wire)

If there are no indications for other parts, the resistors are $\pm 5\%$ carbon-film type.



CAUTION:FOR CONTINUED PROTECTION AGAINST FIRE HAZARD, REPLACE ONLY WITH SAME TYPE F651 4.0A, 125V/ F652 1.6A, 125V FUSES.

ATTENTION:POUR ASSURER UNE LONGUE PROTECTION CONTRE UN INCENDIE, REMPLACER SEULEMENT PAR UN FUSIBLE DE TYPE F651 4.0A, 125V/ F652 1.6A, 125V FUSES.

NOTE:

Parts marked with "\(\text{\Lambda}\)" are important for maintaining the safety of the set.

Be sure to replace parts with specified ones for maintaining the safety and performance of the set.

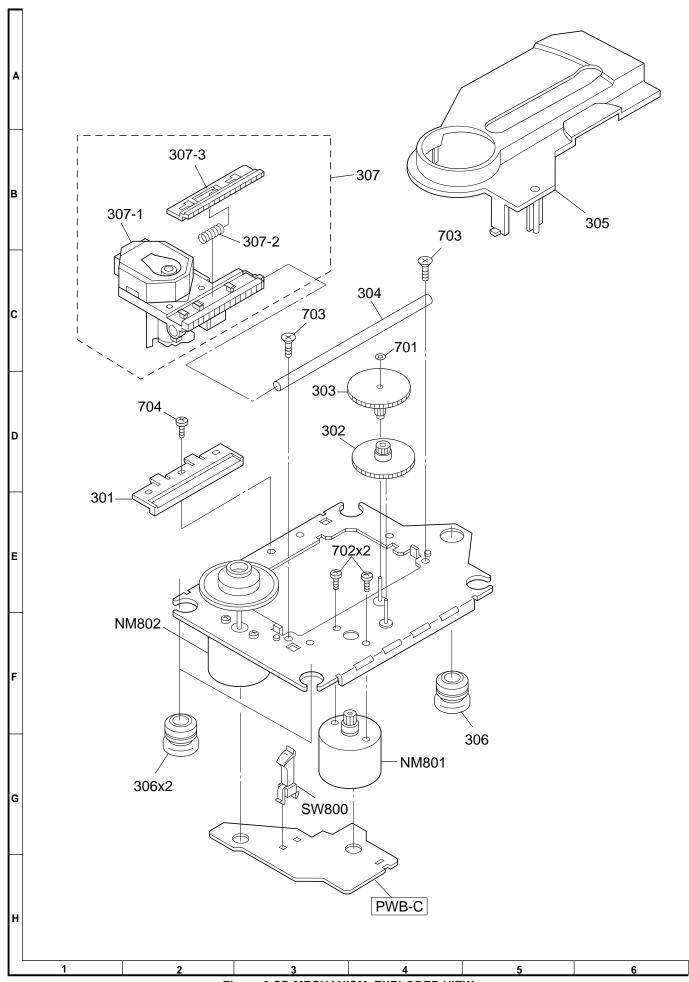
NO.	PART CODE	*	PRICE RANK		NO.	PARTS CODE	*	PRICE RANK	
INTEGRA	TED CIRCUITS	S			ZD601 ZD602	VHEDZ130BSA-1 VHEDZ7R5BSC-1	J J	AC AB	Zener,13V,DZ130A Zener,7.5V,DZ7.5C
IC101	VHIBA3126N/-1	J	AF	Head Selector,BA3126N	ZD701	VHEDZ3R3BSB-1	J	AB	Zener,3.3V,DZ3.3BSB
IC102	VHIBA3311L/-1	J	AK	REC./P.B.Equalizer Amp., BA3311L	FILTERS				
IC301 IC302	VHITA7358AP-1 VHILC72131/-1	J	AG AP	FM Front End,TA7358AP PLL (Tuner),LC72131	BF301	RFILR0008AWZZ	J	ΑE	Band Pass Filter
IC303	VHILA1832S/-1	Ĵ		FM IF Det./FM Mpx./AM IF,	CF302,303	RFILF0004SJZZ	J	AG	FM IF,10.7 MHz
IC401	VHILC75342M-1	J	AN	LA1832S Function/Volume Equalizer,	CF351 CF352	RFILF0003AWZZ RFILA0003SJZZ	J		FM IF AM IF
IC461	VHIKIA4558P-1	J	AC	LC75342M Ope Amp.,KIA4558P	TRANSFO	ORMERS			
IC601 IC681	VHILA4451//-1 VHIAN78L05/-1	J	AN AE	Power Amp.,LA4451 Voltage Regulator,KIA7805P					
IC701	RH-IX0060SJZZ	Ĵ	AX	System Control Microcomputer,	T302 T304	RCILA0007SJZZ RCILI0005SJZZ	J	AG AF	AM Tracking FM IF
IC801	VHIMN6627482W	J	AV	IX0060SJ Servo/Signal Control,	T306 T351	RCILB0009SJZZ RCILI0004SJZZ	J	AG AF	AM OSC. AM IF
IC802	VHIAN22000A-1	J	AF	MN6627482W Head Amp.,AN22000A	△ T651	RTRNP0110SJZZ	J	AY	Power Transformer (Main)
IC804	VHIMM1469XH-1	J	AN	Focus/Tracking/Spin/Sled Driver,	△ T681	RTRNP0056SJZZ	J	AM	Power Transformer (Sub)
				MM1469XH	COILS				
TRANSIS	TORS				L151	VP-MK331K0000	J	AB	330 μH,Choke
Q101~106	VS2HC1815GR-1	J	AB	Silicon,NPN,2HC1815 GR	L302 L303	RCILR0003SJZZ	J		FM RF FM OSC.
Q151	VS2SC2001-K-1	J	AD	Silicon,NPN,2SC2001 K	L351,352	RCILB0016SJZZ VP-DH101K0000	J	AB	100 μH,Choke
Q152 Q153	VS2HA1015GR-1 VSKRC104M//-1	J	AB AC	Silicon,PNP,2HA1015 GR Digital,NPN,KRC104 M	L353	VP-DH102K0000	J	AB	1 mH,Choke
Q171	VSKRA102M//-1	J	AC	Digital,PNP,KRA102 M	L603 L701	VP-DH100K0000 VP-DH101K0000	J	AB AB	10 μH,Choke 100 μH,Choke
Q172 Q302	VSKRC102M//-1 VSSC1674-C/-1	J	AC AC	Digital,NPN,KRC102 M Silicon,NPN,SC1674 C	L801,802	VP-DHR82K0000	J	ΑE	0.82 μH,Choke
Q306	VSSC1674-C/-1	J	AC	Silicon,NPN,SC1674 C	L806	VP-XHR82K0000	J	AC	0.82 μΗ
Q351 Q360	VSKRC104M//-1 VS2HA1015GR-1	J	AC AB	Digital,NPN,KRC104 M Silicon,PNP,2HA1015 GR	VARIABL	E RESISTOR			
Q461	VS2SK2541//-1	Ĵ	AC	FET,2SK2541					
Q463 Q601~603	VSKRC107M//-1 VS2HC1815GR-1	J	AC AB	Digital,NPN,KRC107 M Silicon,NPN,2HC1815 GR	VR351	RVR-M0026AWZZ	J	AC	10 kohm (B),Semi-VR
Q603A	VS2HC1815GR-1	J	AB	Silicon,NPN,2HC1815 GR	VIBRATO	RS			
Q604,605	VSKTC2026Y/-1	J	AE	Silicon,NPN,KTC2026 Y					
Q605A Q606	VSKRC107M//-1 VS2HC1815GR-1	J	AC AB	Digital,NPN,KRC107 M Silicon,NPN,2HC1815 GR	X351 X352	RCRM-0007SJZZ RCRSP0006SJZZ	J	AG AF	VCO,456 kHz Crystal,4.5 MHz
Q607	VSKTC2026Y/-1	J	ΑE	Silicon,NPN,KTC2026 Y	X701	RCRM-0008SJZZ	J		Ceramic,8 MHz
Q608 Q609	VSKRA102M//-1 VSKRC107M//-1	J	AC AC	Digital,PNP,KRA102 M Digital,NPN,KRC107 M	X702	RCRSP0007SJZZ	J	ΑE	Crystal,32.768 kHz
Q609A	VSKRA107M//-1	J	ΑE	Digital,PNP,KRA107 M	X803	RCRSP0002SJZZ	J	AL	Crystal,16.93 MHz
Q683 Q701	VS2HC1815GR-1 VSKRC102M//-1	J	AB AC	Silicon,NPN,2HC1815 GR Digital,NPN,KRC102 M	CAPACIT	ORS			
Q702,703	VS2HC1815GR-1	Ĵ	AB	Silicon,NPN,2HC1815 GR	0404.400	\\O\\\\O\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\			0.004 5.501/
Q706 Q707	VSKRC102M//-1	J	AC	Digital,NPN,KRC102 M Silicon,PNP,2HA1015 GR	C101,102 C103,104	VCKYCY1HB102K VCKYCY1HB331K		AA	0.001 μF,50V 330 pF,50V
Q801	VS2HA1015GR-1 VS2HA1015GR-1	J	AB AB	Silicon,PNP,2HA1015 GR	C105,106	VCKYCY1HB271K	J	AA	270 pF,50V
Q804	VSHSB562-C/-1	J	AC	Silicon,PNP,HSB562 C	C107,108 C109,110	RC-GZA476AF1C VCQYKA1HM153J	J	AB AB	47 μF,16V,Electrolytic 0.015 μF,50V,Mylar
Q901 Q902	VSKRC102M//-1 VSHSB562-C/-1	J	AC AC	Digital,NPN,KRC102 M Silicon,PNP,HSB562 C	C109,110 C111,112	RC-GZA106AF1C	J	AB	10 μF,16V,Electrolytic
Q903	VSKRC107M//-1	J	AC	Digital,NPN,KRC107 M	C113,114	RC-GZA475AF1E	J	AB	4.7 μF,25V,Electrolytic
Q904	VSKRC102M//-1	J	AC	Digital,NPN,KRC102 M	C115,116 C117	VCKYCY1HB222K RC-GZA106AF1C	J	AA AB	0.0022 μF,50V 10 μF,16V,Electrolytic
Q905 Q906	VSHSB562-C/-1 VSKRA102M//-1	J	AC AC	Silicon,PNP,HSB562 C Digital,PNP,KRA102 M	C121,122	VCCSCY1HL820J	Ĵ	AA	82 pF,50V
4000			7.0	2.g.(a.,, ,	C123	RC-GZA225AF1H	J	AB	2.2 μF,50V,Electrolytic
DIODES					C125 C126	RC-GZA107AF1E RC-GZA226AF1C	J	AB AB	100 μF,25V,Electrolytic 22 μF,16V,Electrolytic
D404	\/\!D4\\440//4			077 4114440	C129,130	RC-GZA475AF1E	J	AB	4.7 μF,25V,Electrolytic
D104 D301,302	VHD1N4148//-1 VHD1N4148//-1	J	AA AA	Silicon,1N4148 Silicon,1N4148	C131	VCKYBT1HB821K	J	AA AB	820 pF,50V
D305~308	VHD1N4148//-1	J	AA	Silicon,1N4148	C153 C154	VCQPKA2AA392J VCQYKA1HM273J	J	AB	0.0039 μF,100V,Polypropylene 0.027 μF,50V,Mylar
D401~403	VHD1N4004//-1	J	AB	Silicon,1N4004	C155	RC-GZA107AF1C	J	AB	100 μF,16V,Electrolytic
D461 D601~604	VHD1N4148//-1 VHD1N4148//-1	J	AA AA	Silicon,1N4148 Silicon,1N4148	C301~303 C304	VCKYCY1HB102K VCKYCY1EB103K	J	AA AA	0.001 μF,50V 0.01 μF,25V
D611~614	VHD1N4004//-1	J	AB	Silicon,1N4004	C305	VCKYCY1HB472K		AA	0.0047 μF,50V
D615 D651~654	VHD1N4148//-1 VHD1N5402M/-1	J	AA AE	Silicon,1N4148 Silicon,1N5402M	C306	VCCUCY1HJ9R0D	J	AB	9 pF (UJ),50V
D656~659	VHD1N4004//-1	J	AB	Silicon,1N4004	C307 C308	VCKYCY1HB472K VCKYCY1EF223Z	J	AA AB	0.0047 μF,50V 0.022 μF,25V
D681~685	VHD1N4004//-1	J	AB	Silicon,1N4004	C309	VCKYCY1HB102K		AA	0.001 μF,50V
D688,689 D701~709	VHD1N4004//-1 VHPMPG3372X-V	J	AB AD	Silicon,1N4004 LED,Green,MPG3372X	C311	VCCCPA1HH100J	J	AA	10 pF (CH),50V
D718	VHD1N4004//-1	J	AB	Silicon,1N4004	C312 C313	VCCSCY1HL330J VCCUCY1HJ6R0D	J	AD AB	33 pF,50V 6 pF (UJ),50V
D720~723	VHD1N4148//-1	J	AA	Silicon,1N4148	C314	VCCCCY1HH220J	J	AA	22 pF (CH),50V
D901~904 VD301	VHD1N4148//-1 VHCSVC348S/-1	J	AA AK	Silicon,1N4148 Variable Capacitance,SVC348S	C315	VCKYCY1HB101K	J	AB AB	100 pF,50V
VD302,303	VHCKDV147B/-1	J	AH	Variable Capacitance, KDV147B	C316 C317	RC-GZA106AF1C VCKYCY1EF223Z	J	AB AB	10 μF,16V,Electrolytic 0.022 μF,25V
ZD351	VHEDZ5R1BSB-1	J	AC	Zener,5.1V,DZ5.1BSB	C318	VCCSCY1HL5R0C		AD	5 pF,50V

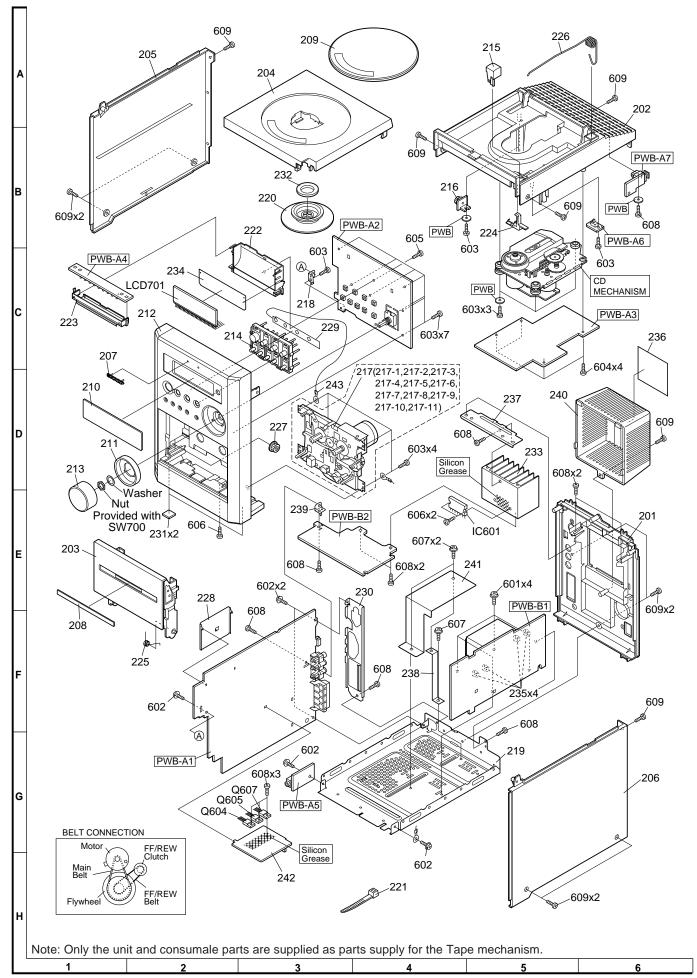
NO.	PART CODE		RICE ANK	DESCRIPTION	NO.	PARTS CODE	*	PRICE RANK	DESCRIPTION
C319	VCCCCY1HH180J	J	AA 1	18 pF (CH),50V	C625	RC-GZA106AF1C	J	AB	10 μF,16V,Electrolytic
C320	VCKYCY1HB102K	J	AA C	0.001 μF,50V	C626	RC-GZA476AF1C	J	AB	47 μF,16V,Electrolytic
C321	VCKYCY1HB332K			0.0033 μF,50V	C627	VCKYCY1EF223Z	J		0.022 μF,25V
C323	VCKYCY1EF223Z			0.022 μF,25V	C629	RC-GZV227AF1H	J	AC	220 μF,50V,Electrolytic
C329	VCKYCY1EF223Z			0.022 μF,25V	C630	RC-GZW338AF1H	J	AF	3300 μF,50V,Electrolytic
C330	VCCCPA1HH120J			12 pF (CH),50V	C643,644	RC-QZA224AFYJ	J	AB	0.22 μF,50V,Mylar
C331 C332	VCKYCY1EF473Z VCKYPA1EF223Z).047 μF,25V).022 μF,25V	C647 C648	VCKYBT1HB331K VCKYPA1HB122K	J		330 pF,50V 0.0012 μF,50V
C334	VCCUPA1HJ270J			27 pF (UJ),50V	C651	VCFYFA1HA104J	J	AC	0.0012 μF,50V 0.1 μF,50V,Thin Film
C335	VCKYCY1HB561K			560 pF,50V	C652	RC-GZA336AF1C	Ĵ		33 μF,16V,Electrolytic
C337	VCKYPA1EF223Z			0.022 μF,25V	C654	VCFYFA1HA104J	Ĵ	AC	0.1 μF,50V,Thin Film
C340	VCKYCY1HB102K	J		0.001 μF,50V	C656~659	VCFYFA1HA104J	J		0.1 μF,50V,Thin Film
C343,344	VCCSCY1HL330J		AD 3	33 pF,50V	C660	VCKYPA1HB102K	J		0.001 μF,50V
C349	VCKYCY1HB102K	J	AA C	0.001 μF,50V	C663	VCKYPA1HB821K	J	AA	820 pF,50V
C350,351	VCKYCY1EF223Z).022 μF,25V	C665	VCFYFA1HA473J	J		0.047 μF,50V,Thin Film
C352	RC-GZA106AF1C			10 μF,16V,Electrolytic	C670	RC-GZA107AF1E	J		100 μF,25V,Electrolytic
C353,354	VCKYCY1EF223Z			0.022 μF,25V	C681	VCFYFA1HA473J	J		0.047 μF,50V,Thin Film
C355	VCCCCY1HH220J			22 pF (CH),50V	C683	RC-GZV228AF1C	J		2200 μF,16V,Electrolytic
C356 C357	VCKYCY1HB102K RC-GZA225AF1H			0.001 μF,50V 2.2 μF,50V,Electrolytic	C684 C688	VCFYFA1HA473J VCFYFA1HA473J	J		0.047 μF,50V,Thin Film 0.047 μF,50V,Thin Film
C358	RC-GZA105AF1H			L μF,50V,Electrolytic	C689	RC-GZA474AF1H	J		0.47 μF,50V,Electrolytic
C360,361	VCKYCY1EF223Z			0.022 μF,25V	C695,696	VCKYPA1HB102K	J		0.001 μF,50V
C362	RC-GZA335AF1H			3.3 μF,50V,Electrolytic	C701,702	VCCCCY1HH220J	Ĵ	AA	
C363	VCKYCY1EF223Z			0.022 μF,25V	C703,704	VCKYCY1EF223Z	Ĵ		0.022 μF,25V
C364	RC-GZA475AF1E			1.7 μF,25V,Electrolytic	C705,706	VCKYCY1HB102K	J		0.001 μF,50V
C365	VCKYCY1EF223Z	J		0.022 μF,25V	C710	VCKYCY1EB103K	J	AA	0.01 μF,25V
C366	VCKYCY1HB102K	J	AA C	0.001 μF,50V	C711	RC-GZA335AF1H	J	AB	3.3 μF,50V,Electrolytic
C367,368	RC-GZA105AF1H	J	AB 1	I μF,50V,Electrolytic	C712	VCKYCY1EB103K	J	AA	0.01 μF,25V
C369	VCCSCY1HL560J			56 pF,50V	C713	RC-GZA106AF1C	J		10 μF,16V,Electrolytic
C370~372	RC-GZA105AF1H			I μF,50V,Electrolytic	C714	VCKYCY1HB561K	J		560 pF,50V
C373,374	VCTYPA1CX223K			0.022 μF,16V	C715	RC-GZA107AF1A	J		100 μF,10V,Electrolytic
C376	VCKYCY1HB102K			0.001 μF,50V	C801	RC-GZA477AF1A	J	AC	470 μF,10V,Electrolytic
C378	VCKYPA1HB331K			330 pF,50V	C802	RC-GZA476AF1A	J		47 μF,10V,Electrolytic
C380 C381	RC-GZA106AF1C VCCCCY1HH120J			10 μF,16V,Electrolytic 12 pF (CH),50V	C803 C804	VCKYCY1EF104Z RC-GZA476AF1A	J	AA AB	0.1 μF,25V 47 μF,10V,Electrolytic
C382	VCCCCY1HH150J			15 pF (CH),50V	C805	RC-GZA226AF1A	J		22 μF,10V,Electrolytic
C383	VCKYCY1EF223Z			0.022 μF,25V	C806	VCFYFA1HA104J	J		0.1 μF,50V,Thin Film
C384	VCKYCY1HB102K			0.001 μF,50V	C807	VCKYPA1HF334Z	Ĵ		0.33 μF,50V
C385	VCKYPA1HF103Z			0.01 μF,50V	C808	VCFYFA1HA104J	J		0.1 μF,50V,Thin Film
C386	VCKYPA1HB331K	J		330 pF,50V	C809,810	VCCSPA1HL820J	J		82 pF,50V
C387	VCKYCY1EF223Z	J	AB C).022 μF,25V	C811	VCKYCY1HB101K	J	AB	100 pF,50V
C391	RC-GZA476AF1C			47 μF,16V,Electrolytic	C812,813	VCKYPA1HF273Z	J		0.027 μF,50V
C392	VCKYCY1HB102K			0.001 μF,50V	C814	VCKYPA1HB331K	J	AA	1 7
C393	RC-GZA105AF1H			μF,50V,Electrolytic	C815	VCKYCY1HB562K	J	AA	• '
C394	RC-GZA476AF1C			47 μF,16V,Electrolytic	C816	RC-GZA476AF1C	J		47 μF,16V,Electrolytic
C395 C396	VCKYCY1EF223Z RC-GZA107AF1A			0.022 μF,25V 100 μF,10V,Electrolytic	C817 C818	VCKYCY1EF103Z VCKYCY1HB181K	J		0.01 μF,25V 180 pF,50V
C397	VCKYCY1EF223Z			0.022 μF,25V	C819	VCKYCY1HB562K	J		0.0056 μF,50V
C398	RC-GZA107AF1A			100 μF,10V,Electrolytic	C820	VCKYPA1HF223Z	Ĵ		0.022 μF,50V
C399	VCKYPA1HF223Z			0.022 μF,50V	C821	VCKYCY1EF104Z			0.1 μF,25V
C401~408	RC-GZA106AF1C	J		10 μF,16V,Electrolytic	C823	VCKYPA1HB222K	J		0.0022 μF,50V
C411,412	VCKYCY1HB331K	J	AA 3	330 pF,50V	C824	RC-GZA476AF1C	J	AB	47 μF,16V,Electrolytic
C413	VCKYCY1HB102K	J		0.001 μF,50V	C825	VCFYFA1HA104J	J	AC	0.1 μF,50V,Thin Film
C414	RC-GZA474AF1H			0.47 μF,50V,Electrolytic	C827	VCFYFA1HA104J	J	AC	0.1 μF,50V,Thin Film
C415,416	RC-GZA106AF1C			10 μF,16V,Electrolytic	C828	VCKYPA1HB561K	J		560 pF,50V
C417,418	RC-GZA225AF1H			2.2 µF,50V,Electrolytic	C829	VCKYCY1EF123Z	J	AA	0.012 μF,25V
C419,420 C421~424	VCKYCY1HB272K RC-QZA104AFYJ			0.0027 μF,50V 0.1 μF,50V,Mylar	C830 C831	VCKYCY1EF104Z VCKYCY1HB102K	J	AA AA	0.1 μF,25V 0.001 μF,50V
C425,426	RC-GZA104AI 13			10 μF,16V,Electrolytic	C832	VCKYPA1HF684Z	J	AC	0.68 μF,50V
C429	RC-GZA336AF1C			33 μF,16V,Electrolytic	C833	VCKYPA1HF334Z	Ĵ		0.33 μF,50V
C430	RC-GZA107AF1C			100 μF,16V,Electrolytic	C834	VCKYCY1EF104Z	Ĵ	AA	0.1 μF,25V
C461,462	VCKYCY1HB562K			0.0056 μF,50V	C835	RC-GZA107AF1A	J	AB	100 μF,10V,Electrolytic
C463,464	RC-GZA105AF1H	J	AB 1	1 μF,50V,Electrolytic	C836	VCKYPA1HF334Z	J	AC	0.33 μF,50V
C468	RC-GZA107AF1C	J		100 μF,16V,Electrolytic	C837	VCKYCY1EF104Z	J	AA	0.1 μF,25V
C469	RC-GZA476AF1C			47 μF,16V,Electrolytic	C838	VCCCCY1HH150J	J		15 pF (CH),50V
C471,472	VCKYCY1HB332K			0.0033 μF,50V	C841	VCKYCY1EF104Z	J	AA	0.1 μF,25V
C473,474	RC-GZA475AF1H			4.7 μF,50V,Electrolytic	C842	VCCCCY1HH150J	J	AA	15 pF (CH),50V
C475,476	RC-GZA105AF1H			1 μF,50V,Electrolytic	C843	VCKYCY1EF104Z	J	AA	0.1 μF,25V
C601	RC-GZA336AF1C			33 μF,16V,Electrolytic	C844	VCKYCY1HB272K	J		0.0027 μF,50V
C602 C603,604	RC-GZA105AF1H VCKYPA1HB101K			I μF,50V,Electrolytic 100 pF,50V	C845 C846	VCKYCY1HB102K RC-GZA477AF0J	J	AB	0.001 μF,50V 470 μF,6.3V,Electrolytic
C605,606	RC-GZA475AF1E			1.7 μF,25V,Electrolytic	C847	VCKYCY1HB272K	J		0.0027 μF,50V
C607,608	RC-GZA227AF1E			220 μF,25V,Electrolytic	C848	VCKYCY1HB102K	J	AA	
C609,610	RC-GZA476AF1H			47 μF,50V,Electrolytic	C849,850	RC-GZA106AF1H	J		10 μF,50V,Electrolytic
C611,612	RC-QZA224AFYJ			0.22 μF,50V,Mylar	C851	VCCCCY1HH121J	Ĵ		120 pF (CH),50V
C613,614	RC-GZW228AF1V			2200 μF,35V,Electrolytic	C857,858	VCKYCY1EF104Z	Ĵ	AA	0.1 μF,25V
C615	VCKYPA1HF223Z).022 μF,50V	C859	VCKYPA1HF103Z	J	AB	0.01 μF,50V
C616	RC-GZW478AF1E			4700 μF,25V,Electrolytic	C864	RC-GZA107AF1A	J		100 μF,10V,Electrolytic
C620	RC-GZV477AF1E			470 μF,25V,Electrolytic	C865	VCQYKA1HM222J	J	AB	0.0022 μF,50V,Mylar
C621	RC-GZA107AF1E			100 μF,25V,Electrolytic	C867	VCCCCY1HH100J	J		10 pF (CH),50V
C622	VCKYPA1HF223Z			0.022 μF,50V	C901	VCKYCY1HB102K	J	AA	0.001 μF,50V
C624	VCKYPA1HF223Z	J	AB C).022 μF,50V	C902	RC-GZA335AF1H	J	AB	3.3 μF,50V,Electrolytic

NO.	PART CODE	*	PRICE RANK		NO.	PARTS CODE	-	PRICE RANK	DESCRIPTION
C903 C904,905	RC-GZA107AF1E VCKYCY1HF223Z	J J	AB AA	100 μF,25V,Electrolytic 0.022 μF,50V	R377 R379	VRD-ST2CD562J VRS-CY1JB222J	J J	AA AA	5.6 kohms,1/6W 2.2 kohms,1/16W
RESISTO	PS			·	R380 R381	VRD-ST2CD152J VRS-CY1JB103J	J J	AA AA	1.5 kohms,1/6W 10 kohm,1/16W
KLSISTO	N.S				R382	VRD-ST2EE331J	J	AA	330 ohms,1/4W
J920	VRS-CY1JB121J	J	AA	120 ohms,1/16W	R383 R384	VRS-CY1JB562J VRD-ST2CD682J	J	AA AA	5.6 kohms,1/16W 6.8 kohms,1/6W
J923 R7A0,1	VRS-CY1JB121J VRS-CY1JB102J	J	AA AA	120 ohms,1/16W 1 kohm,1/16W	R385	VRD-ST2CD562J	J	AA	5.6 kohms,1/6W
R7A2	VRS-CY1JB104J	J	AA	100 kohm,1/16W	R386 R387	VRD-ST2EE331J VRD-ST2CD562J	J	AA AA	330 ohms,1/4W 5.6 kohms,1/6W
R7A3 R7A4	VRD-ST2EE101J VRS-CY1JB121J	J	AA AA	100 ohm,1/4W 120 ohms,1/16W	R391,392	VRD-ST2EE391J	J	AA	390 ohms,1/4W
R7A5	VRS-CY1JB103J	J	AA	10 kohm,1/16W	R393 R395	VRS-CY1JB102J VRD-ST2CD473J	J J	AA AA	1 kohm,1/16W 47 kohms,1/6W
R7A6 R7A7	VRD-ST2CD102J VRS-CY1JB102J	J	AA AA	1 kohm,1/6W 1 kohm,1/16W	R405,406	VRS-CY1JB273J	J	AA	27 kohms,1/16W
R7A8	VRS-CY1JB820J	J	AA	82 ohms,1/16W	R407,408 R410,411	VRS-CY1JB152J VRS-CY1JB102J	J J	AA AA	1.5 kohms,1/16W 1 kohm,1/16W
R7A9 R7B0	VRD-ST2CD332J VRS-CY1JB103J	J	AA AA	3.3 kohms,1/6W 10 kohm,1/16W	R412,413	VRS-CY1JB273J	J	AA	27 kohms,1/16W
R7D1~6	VRS-CY1JB820J	J	AA	82 ohms,1/16W	R415~425 R437,438	VRS-CY1JB102J VRS-CY1JB682J	J	AA AA	1 kohm,1/16W 6.8 kohms,1/16W
R7D8,9 R7E1	VRS-CY1JB820J VRS-CY1JB820J	J	AA AA	82 ohms,1/16W 82 ohms,1/16W	R439,440	VRS-CY1JB392J	Ĵ	AA	3.9 kohms,1/16W
R101,102	VRD-ST2CD102J	J	AA	1 kohm,1/6W	R461 R462	VRD-ST2CD822J VRS-CY1JB822J	J	AA AA	8.2 kohms,1/6W 8.2 kohms,1/16W
R103,104 R105	VRS-CY1JB121J VRS-CY1JB154J	J	AA AA	120 ohms,1/16W 150 kohms,1/16W	R463,464	VRS-CY1JB104J	J	AA	100 kohm,1/16W
R106	VRD-ST2CD154J	J	AA	150 kohms,1/6W	R465,466 R467	VRS-CY1JB103J VRD-ST2CD473J	J	AA AA	10 kohm,1/16W 47 kohms,1/6W
R107 R108	VRD-ST2CD103J VRS-CY1JB103J	J	AA AA	10 kohm,1/6W 10 kohm,1/16W	R468	VRD-ST2CD4733 VRD-ST2EE331J	J	AA	330 ohms,1/4W
R109,110	VRS-CY1JB392J	J	AA	3.9 kohms,1/16W	R469	VRS-CY1JB103J	J	AA	10 kohm,1/16W
R111,112	VRD-ST2CD222J	J	AA	2.2 kohms,1/6W	R470 R471	VRD-ST2CD103J VRS-CY1JB272J	J	AA AA	10 kohm,1/6W 2.7 kohms,1/16W
R113,114 R115,116	VRS-CY1JB332J VRS-CY1JB153J	J	AA AA	3.3 kohms,1/16W 15 kohms,1/16W	R472	VRD-ST2CD272J	J	AA	2.7 kohms,1/6W
R117,118	VRS-CY1JB223J	J	AA	22 kohms,1/16W	R473~476 R477	VRS-CY1JB123J VRD-ST2CD123J	J	AA AA	12 kohms,1/16W 12 kohms,1/6W
R119,120 R121~124	VRS-CY1JB101J VRS-CY1JB472J	J	AA AA	100 ohm,1/16W 4.7 kohms,1/16W	R478	VRS-CY1JB123J	J	AA	12 kohms,1/16W
R125	VRS-CY1JB104J	J	AA	100 kohm,1/16W	R601,602 R603,604	VRD-ST2CD102J VRD-ST2CD103J	J	AA AA	1 kohm,1/6W 10 kohm,1/6W
R126 R131	VRS-CY1JB562J VRD-ST2CD472J	J	AA AA	5.6 kohms,1/16W 4.7 kohms,1/6W	R605,606	VRD-ST2CD820J	J	AA	82 ohms,1/6W
R132	VRS-CY1JB472J	J	AA	4.7 kohms,1/16W	R607 R608	VRD-ST2CD682J VRD-ST2CD102J	J J	AA AA	6.8 kohms,1/6W 1 kohm,1/6W
R133 R134	VRS-CY1JB102J VRS-CY1JB104J	J	AA AA	1 kohm,1/16W 100 kohm,1/16W	R609,610	VRD-ST2EE3R3J	J	AA	3.3 ohms,1/4W
R138	VRD-ST2EE331J	J	AA	330 ohms,1/4W	R613,614 R615,616	VRD-RT2HD271J VRD-ST2CD472J	J J	AA AA	270 ohms,1/2W 4.7 kohms,1/6W
R139 R140	VRD-ST2CD272J VRS-CY1JB103J	J	AA AA	2.7 kohms,1/6W 10 kohm,1/16W	R617	VRS-CY1JB333J	J	AA	33 kohms,1/16W
R141	VRD-ST2CD331J	J	AA	330 ohms,1/6W	R617A R618	VRD-ST2CD684J VRD-ST2CD684J	J J	AA AA	680 kohms,1/6W 680 kohms,1/6W
R151 R152	VRS-CY1JB473J VRS-CY1JB104J	J	AA AA	47 kohms,1/16W 100 kohm,1/16W	R619,620	VRD-ST2EE470J	J	AA	47 ohms,1/4W
R153,154	VRS-CY1JB103J	J	AA	10 kohm,1/16W	R621 R623	VRS-CY1JB223J VRS-CY1JB223J	J	AA AA	22 kohms,1/16W 22 kohms,1/16W
R155 R156,157	VRD-ST2EE560J VRD-ST2EE151J	J	AA AA	56 ohms,1/4W 150 ohms,1/4W	R624	VRD-ST2EE102J	J	AA	1 kohm,1/4W
R301	VRD-ST2EE220J	J	AA	22 ohms,1/4W	R625	VRS-CY1JB103J	J	AA	10 kohm,1/16W
R302 R303	VRS-CY1JB104J VRD-ST2CD333J	J	AA AA	100 kohm,1/16W 33 kohms,1/6W	R627 R628	VRS-CY1JB103J VRD-ST2EE101J	J	AA AA	10 kohm,1/16W 100 ohm,1/4W
R304	VRS-CY1JB473J	J	AA	47 kohms,1/16W	R629	VRD-ST2EE102J	J	AA	1 kohm,1/4W
R305	VRS-CY1JB681J	J	AA	680 ohms,1/16W	R634 R661,662	VRD-ST2EE332J VRD-ST2EE331J	J	AA AA	3.3 kohms,1/4W 330 ohms,1/4W
R306 R307	VRS-CY1JB330J VRD-ST2EE470J	J	AA AA	33 ohms,1/16W 47 ohms,1/4W	R685	VRD-ST2CD103J	J	AA	10 kohm,1/6W
R308	VRS-CY1JB103J	J	AA	10 kohm,1/16W	R686 R702	VRD-ST2CD473J VRS-CY1JB103J	J	AA AA	47 kohms,1/6W 10 kohm,1/16W
R309 R310	VRD-ST2EE471J VRS-CY1JB472J	J	AA AA	470 ohms,1/4W 4.7 kohms,1/16W	R705	VRD-ST2CD392J	J	AA	3.9 kohms,1/6W
R312	VRS-CY1JB222J	J	AA	2.2 kohms,1/16W	R706 R707	VRD-ST2CD472J VRD-ST2CD122J	J	AA AA	4.7 kohms,1/6W 1.2 kohms,1/6W
R313 R314,315	VRS-CY1JB681J VRS-CY1JB330J	J	AA AA	680 ohms,1/16W 33 ohms,1/16W	R708	VRD-ST2CD103J	J	AA	10 kohm,1/6W
R316	VRS-CY1JB331J	J	AA	330 ohms,1/16W	R709 R710	VRD-ST2CD562J VRD-ST2CD392J	J J	AA AA	5.6 kohms,1/6W 3.9 kohms,1/6W
R323 R336	VRS-CY1JB683J VRD-ST2CD103J	J	AA AA	68 kohms,1/16W 10 kohm,1/6W	R721,722	VRS-CY1JB103J	J	AA	10 kohm,1/16W
R350	VRS-CY1JB272J	J	AA	2.7 kohms,1/16W	R723 R724	VRD-ST2CD473J VRS-CY1JB123J	J J	AA AA	47 kohms,1/6W 12 kohms,1/16W
R351 R352	VRS-CY1JB562J VRS-CY1JB102J	J	AA AA	5.6 kohms,1/16W 1 kohm,1/16W	R725	VRS-CY1JB103J	J	AA	10 kohm,1/16W
R353	VRS-CY1JB271J	J	AA	270 ohms,1/16W	R727 R728	VRS-CY1JB473J VRD-ST2CD102J	J	AA AA	47 kohms,1/16W 1 kohm,1/6W
R355 R356	VRS-CY1JB332J VRS-CY1JB102J	J	AA AA	3.3 kohms,1/16W 1 kohm,1/16W	R729	VRS-CY1JB473J	J	AA	47 kohms,1/16W
R357	VRS-CY1JB474J	J	AA	470 kohms,1/16W	R731~734 R737,738	VRS-CY1JB102J VRS-CY1JB102J	J	AA AA	1 kohm,1/16W 1 kohm,1/16W
R358 R359	VRS-CY1JB822J VRS-CY1JB182J	J	AA AA	8.2 kohms,1/16W 1.8 kohms,1/16W	R737,736 R739~741	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R360	VRS-CY1JB472J	J	AA	4.7 kohms,1/16W	R742,743 R744,745	VRS-CY1JB102J VRD-ST2CD102J	J J	AA AA	1 kohm,1/16W 1 kohm,1/6W
R361,362 R363	VRS-CY1JB123J VRD-ST2CD332J	J	AA AA	12 kohms,1/16W 3.3 kohms,1/6W	R744,745 R746	VRD-S12CD102J VRS-CY1JB102J	J	AA	1 kohm,1/16W
R364	VRS-CY1JB332J	J	AA	3.3 kohms,1/16W	R747~750	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R365	VRS-CY1JB103J	J J	AΑ	10 kohm,1/16W 2.2 kohms,1/16W	R751 R753~756	VRS-CY1JB102J VRD-ST2CD102J	J	AA AA	1 kohm,1/16W 1 kohm,1/6W
R366 R371~374	VRS-CY1JB222J VRS-CY1JB102J	J	AA AA	1 kohm,1/16W	R757,758	VRS-CY1JB102J	J	AA	1 kohm,1/16W
R376	VRD-ST2CD103J	J	AA	10 kohm,1/6W	R759 R762~768	VRD-ST2CD102J VRS-CY1JB102J	J	AA AA	1 kohm,1/6W 1 kohm,1/16W

NO.	PART CODE		PRICE RANK	DESCRIPTION	NO.	PARTS CODE		PRICE	
R774~777	VRS-CY1JB102J	J	AA	1 kohm,1/16W	CNP301	QCNCM042CSJZZ	J	AB	Plug,3Pin
R778~780	VRS-CY1JB473J	J	AA	47 kohms,1/16W	CNP604	QCNCM010NAWZZ		AC	Plug,13Pin
R781	VRD-ST2CD473J	J	AA	47 kohms,1/6W	CNP605	QCNCM999FAFZZ		AE	Plug,6Pin
R782,783 R784	VRS-CY1JB333J	J J	AA AA	33 kohms,1/16W 47 kohms,1/6W	CNP651 CNP652	QCNCM998BAFZZ QCNCM062BSJZZ		AC AB	Plug,2Pin Plug,2Pin
R785	VRD-ST2CD473J VRS-CY1JB102J	J	AA	1 kohm,1/16W	CNP652 CNP653	QCNCM998BAFZZ		AC	Plug,2Pin
R791,792	VRS-CY1JB473J	Ĵ	AA	47 kohms,1/16W	CNP680	QCNCM999BAFZZ		AD	Plug,2Pin
R793	VRS-CY1JB222J	J	AA	2.2 kohms,1/16W	CNP702	QCNCM071KSJZZ		AC	Plug,10Pin
R794	VRS-CY1JB102J	J	AA	1 kohm,1/16W	CNP703	QCNCM010LAWZZ		AC	Plug,11Pin
R801 R802	VRD-ST2CD102J VRD-ST2CD224J	J J	AA AA	1 kohm,1/6W 220 kohms,1/6W	CNP704 CNP707	QCNCM068JSJZZ QCNCM052CSJZZ			Plug,9Pin Plug,3Pin
R803	VRS-CY1JB100J	J	AA	10 ohm,1/16W	CNP803	QCNCM932FAFZZ		AC	Plug,6Pin
R804	VRD-ST2CD330J	Ĵ	AA	33 ohms,1/6W	CNS604	QCNCW010NAWZZ		AC	Socket,13Pin
R805	VRS-CY1JB101J	J	AA	100 ohm,1/16W	CNS703	QCNCW010LAWZZ		AD	Socket,11Pin
R806	VRD-ST2EE4R7J	J	AA	4.7 ohms,1/4W	CNW101	QCNWN0521SJZZ		AF	Connector Ass'y,8Pin
R807 R808	VRD-ST2CD393J VRS-CY1JB222J	J J	AA AA	39 kohms,1/6W 2.2 kohms,1/16W		QCNWN0177SJZZ QCNWN0511SJZZ		AC AC	Connector Ass'y,2/2Pin Connector Ass'y,2/2Pin
R809	VRS-CY1JB102J	J	AA	1 kohm,1/16W	CNW653	QCNWN0311632Z		AD	Connector Ass'y,2Pin
R810	VRD-ST2CD752J	J	AA	7.5 kohms,1/6W	CNW654	QCNWN0147SJZZ		AC	Lead Wire with Lug
R811	VRS-CY1JB392J	J	AA	3.9 kohms,1/16W		QCNWN0556SJZZ			Connector Ass'y,2/2Pin
R812	VRS-CY1JB222J	J	AA	2.2 kohms,1/16W			J	ΑE	Connector Ass'y,10/10Pin
R813 R814	VRS-CY1JB392J VRD-ST2CD222J	J J	AA AA	3.9 kohms,1/16W 2.2 kohms,1/6W			J J	AE AE	Connector Ass'y,3/3Pin Connector Ass'y,9/8Pin
R815	VRD-ST2CD2223 VRD-ST2CD911J	J	AA	910 ohms,1/6W			J	AD	Connector Ass'y,8/7Pin
R816	VRD-ST2CD274J	Ĵ	AA	270 kohms,1/6W			Ĵ	AD	Connector Ass'y,7/6Pin
R817	VRD-ST2CD224J	J	AA	220 kohms,1/6W		QCNWN0539SJZZ			Connector Ass'y,7/6Pin
R820	VRD-ST2CD623J	J	AA	62 kohms,1/6W	CNW808A/B	QCNWN0520SJZZ		۸.	Connector Ass'y,4/4Pin
R822 R823	VRD-ST2CD105J VRD-ST2CD182J	J J	AA AA	1 Mohm,1/6W 1.8 kohms,1/6W	©NW901/CNS901	QCNWN0513SJZZ QFS-D402BSJNI	J J	AE AB	Connector Ass'y,7/7Pin Fuse,4.0A/125V
R824	VRD-ST2CD1023 VRD-ST2CD123J	J	AA	12 kohms,1/6W	△ F652	QFS-D162BSJNI	J	AE	Fuse,1.6A/125V
R825	VRD-ST2CD562J	Ĵ	AA	5.6 kohms,1/6W	J601	QJAKM0001SJZZ	Ĵ	AG	Jack,Headphones
R826,827	VRD-ST2CD183J	J	AA	18 kohms,1/6W	J801	VHPIF11381+-1	J	AM	Jack,Digital Out
R828	VRD-ST2CD152J	J	AA	1.5 kohms,1/6W	LCD701	RV-LX0007SJZZ	J	AR	LCD Display
R829 R832	VRD-ST2CD472J VRS-CY1JB394J	J J	AA AA	4.7 kohms,1/6W 390 kohms,1/16W	M901(217- 9) NM801	9GD192112347 RMOTV0409AFM1	J J	AN	Motor with Pulley [Tape] Motor with Gear [Sled]
R833	VRS-CY1JB104J	J	AA	100 kohm,1/16W	NM802	RMOTV0409AFM3	J	AN	Motor with Chassis [Spindle]
R836	VRD-ST2CD154J	J	AA	150 kohms,1/6W	△ RLY681	RRLYD0004SJZZ	J	AG	Relay
R839	VRD-ST2EE101J	J	AA	100 ohm,1/4W	RX701	VHLGP1U281X-1	J	АН	Remote Sensor,GP1U281X
R844~846	VRS-CY1JB473J	J	AA	47 kohms,1/16W	SO401	QSOCJ0301SJZZ	J	AG	Socket, Video/AUX Input/Sub
R849 R850	VRD-ST2CD102J VRD-ST2CD823J	J J	AA AA	1 kohm,1/6W 82 kohms,1/6W	SO601	QTANA0008SJZZ	J	ΑE	Woofer Out Terminal,Speakers
R851	VRD-ST2CD0255 VRD-ST2CD105J	J	AA	1 Mohm,1/6W	∆ SO651	QSOCA0214AWZZ	J	AD	Socket,AC Input
R852,853	VRD-ST2CD392J	Ĵ	AA	3.9 kohms,1/6W	SOL901(217- 4)		Ĵ	AP	Solenoid Ass'y
R854,855	VRS-CY1JB561J	J	AA	560 ohms,1/16W	SW700	QSW-Z0003SJZZ	J	AG	Switch,Rotary Type [VOLUME]
R856	VRD-ST2CD473J	J J	AA	47 kohms,1/6W	SW701	QSW-K0005SJZZ	J	AD	Switch,Key Type [POWER ON/STAND-BY]
R857 R858	VRD-ST2CD224J VRD-ST2CD104J	J	AA AA	220 kohms,1/6W 100 kohm,1/6W	SW702	QSW-K0005SJZZ	J	AD	Switch, Key Type [FUNCTION]
R862	VRD-ST2CD124J	Ĵ	AA	120 kohms,1/6W	SW703	QSW-K0005SJZZ	Ĵ	AD	Switch, Key Type
R864	VRD-ST2CD271J	J	AA	270 ohms,1/6W					[STOP/CLEAR,TUNING
R866	VRD-ST2CD272J	J	AA	2.7 kohms,1/6W	014/=0.4	00141400000177			DOWN]
R869 R874	VRD-ST2EE1R5J VRD-ST2CD272J	J J	AA AA	1.5 ohms,1/4W 2.7 kohms,1/6W	SW704	QSW-K0005SJZZ	J	AD	Switch,Key Type [PLAY/CD PAUSE,TUNING
R883	VRS-CY1JB561J	J	AA	560 ohms,1/16W					UP]
R884	VRS-CY1JB681J	Ĵ	AA	680 ohms,1/16W	SW705	QSW-K0005SJZZ	J	AD	Switch, Key Type
R885	VRS-CY1JB561J	J	AA	560 ohms,1/16W					[BASS/TREBLE]
R886	VRS-CY1JB681J	J	AA	680 ohms,1/16W	SW706	QSW-K0005SJZZ	J	AD	Switch, Key Type
R887 R889A,B	VRD-ST2EE101J VRD-ST2CD102J	J J	AA AA	100 ohm,1/4W 1 kohm,1/6W	SW707	QSW-K0005SJZZ	J	AD	[MEMORY/SET] Switch,Key Type [REC/PAUSE]
R890	VRS-CY1JB475J	J	AA	4.5 Mohms,1/16W	SW707	QSW-K0005SJZZ	J	AD	Switch, Key Type [KEC/T ACCE]
R892	VRD-ST2CD123J	J	AA	12 kohms,1/6W					[REW/PRESET DOWN]
R893	VRS-CY1JB752J	J		7.5 kohms,1/16W	SW709	QSW-K0005SJZZ	J	AD	Switch,Key Type
R895~899	VRD-ST2CD102J	J	AA	1 kohm,1/6W	CMOOO	0014/ 50004 414/77		۸.	[FF/PRESET UP]
R901 R902	VRD-ST2CD152J VRD-ST2CD563J	J	AA	1.5 kohms,1/6W 56 kohms,1/6W	SW800 SW801	QSW-F9001AWZZ QSW-P0004AWZZ	J J	AE AE	Switch,Push Type [PICKUP IN] Switch,Push Type
R903	VRS-CY1JB473J	Ĵ	AA	47 kohms,1/16W	011001	Q011 1 000-7 11122	Ü	/ \L	[CD LID OPEN/CLOSE]
R904	VRS-CY1JB271J	J	AA	270 ohms,1/16W	SW901(217-7)	9GD640101210	J	ΑE	Switch,Leaf Type [Fool Proof]
R905	VRS-CY1JB103J	J	AA	10 kohm,1/16W	SW902(217-8)	9GD640101210	J	ΑE	Switch,Leaf Type [Cam]
R906	VRD-ST2CD152J	J	AA	1.5 kohms,1/6W	OD MEOU	A NUCRA DA DEC			
R907 R909	VRD-ST2CD103J VRS-CY1JB183J	J J	AA AA	10 kohm,1/6W 18 kohms,1/16W	CD MECH	ANISM PARTS			
R910	VRS-CY1JB333J	Ĵ	AA	33 kohms,1/16W	301	MLEVP1054AFZZ	J	AC	Rail,Guide
					301		J	AC	Gear,Middle
OTHER CI	RCUITRY PAR	RTS	3		303		J	AC	Gear,Drive
					304	NSFTM0291AFFW		AD	Shaft,Guide
CFW601/A	QCNWN0504SJZZ		AB	Flat Wire, 3Pin	305	PCUSCO643AFSA	J	AF	Cover, Mechanism
CFW701/B CFW704/CNS704	QCNWN0505SJZZ QCNWN0518SJZZ		AA	Flat Wire,2Pin Connector Ass'y,9Pin	306 ∆ 307	PCUSG0613AFZZ DCTRH8004SJ01	J J	AC BC	Cushion Pickup Unit Ass'y
CFW807A/B	QCNWN0509SJZZ		AB	Flat Wire,2Pin	307- 1		_		Pickup Unit
CNP101	QCNCM070HSJZZ		AC	*	307- 2		J	AA	Spring,Rack
					307-3	NGERR0043AFZZ	J	AC	Gear,Rack
					701	LX-WZ1070AFZZ	J	AA	Washer,ø1.5×ø3.8×0.25mm

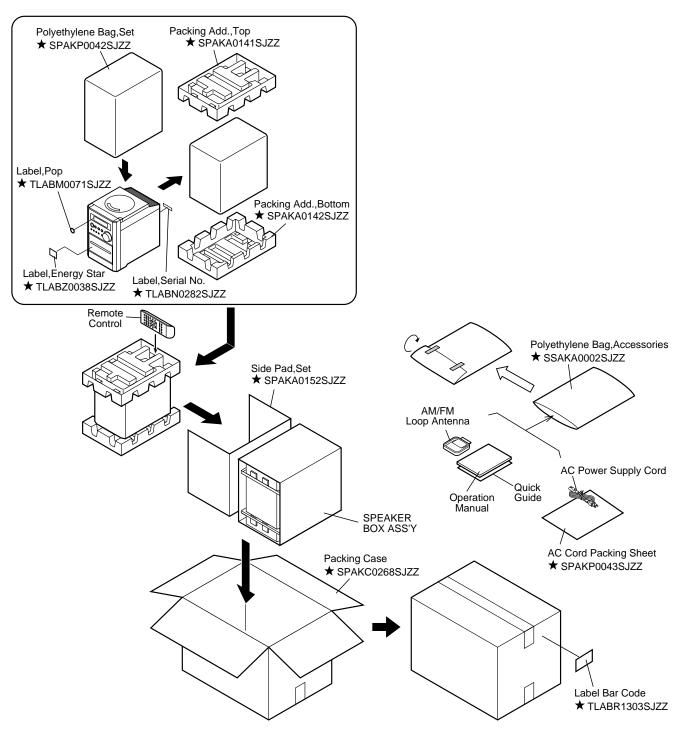
	NO.	PART CODE		PRICE RANK			NO.	PARTS CODE		PRICE RANK	
	702	XBBSD20P03000	J	AA	Screw,ø2×3mm		PACKING	PARTS (EXCE	EP1	ΓFC	R U.S.A.)
	703	XBSSD26P06000	J	AA	Screw,ø2.6×6mm			(,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
	704	XHBSD20P05000	J		Screw,ø2×5mm			SPAKA0141SJZZ	J		Packing Add.,Top
	NM801 NM802	RMOTV0409AFM1 RMOTV0408AFM3	J	AN AN	Motor with Gear [Sled] Motor with Chassis [Spindle]			SPAKA0142SJZZ	J		Packing Add.,Bottom
	SW800	QSW-F9001AWZZ		AE	Switch, Push Type [Pickup In]			SPAKA0152SJZZ	J		Side Pad,Set
					, , , , , , , , , , , , , , , , , , , ,			SPAKC0268SJZZ	J		Packing Case [Except for Canada]
	CABINET I	PARTS						SPAKC0269SJZZ	J		Packing Case [For Canada]
								SPAKP0042SJZZ	Ĵ	AC	Polyethylene Bag,Set
	201	GCABB1107SJSA	J	AH	Rear Panel			SPAKP0043SJZZ	J		Sheet,AC Cord
	202	GCABC1108SJSA	J	AK	Top Cabinet			SSAKA0002SJZZ	J	ΑE	Polyethylene Bag, Accessories
	203	GDORF0029SJSA		AG	Cassette Holder			TLABM0071SJZZ	J		Label, Pop
	204 205	GDORT0011SJSA GITAS0008SJSA	J		CD Lid Side Panel,Left			TLABN0282SJZZ	J		Label,Serial No. [Except for Canada]
	206	GITAS0009SJSA	J	AG	Side Panel,Right			TLABN0283SJZZ	J		Label, Serial No. [For Canada]
	207	HBDGA1002SJSB	Ĵ	AD	SHARP Badge			TLABRF254SJZZ	Ĵ		Label,Bar Code [For Canada]
	208	HDECQ0108SJSA	J	AF	Cassette Holder Window			TLABR1303SJZZ	J		Label,Bar Code
	209	HDECQ0110SJSA	J	AN	CD Lid Window						[Except for Canada]
	210	HDECQ0111SJSA	J		LCD Window			TLABZ0038SJZZ	J	AC	Label, Energy Star
	211 212	HDECQ0112SJSB HPNLC1069SJSA	J	AF	Ring,VOLUME Knob Front Panel		A 0.0E000	DIEC			
	213	JKNBK0030SJSA	J	AG	Knob, VOLUME		ACCESSO	KIES			
	214	JKNBZ0080SJSB	Ĵ	AE	Button,Operation			0.4.0.01.10003.0.100		A I I	AC Dawar Supply Card
	215	JKNBZ0081SJSB	J	ΑE	Button,CD Eject			QACCU0003SJ00 QANTL0004SJZZ	J J	AH AG	AC Power Supply Cord AM/FM Loop Antenna
	216	CGERH0001SJ01	J	AF	Damper Gear Ass'y			TINSE0115SJZZ	J	AF	Operation Manual
_	217	CMECB0013SJ01	J	BA	Tape Mechanism Ass'y						[Except for Canada]
	217- 1 217- 2	9GD19210703	J	AE AG	Belt,FF/REW Belt,Main			TINSZ0178SJZZ	J	AD	Quick Guide [Except for Canada]
	217- 2	9GD19210943 9GD192104310	J	AP	Pinch Roller Arm Ass'y			TINSZ0179SJZZ	J	AG	Operation Manual [For Canada]
	217- 4(SOL901)		J	AP	Solenoid Ass'y	_		RRMCG0059SJSA		AQ	Remote Control
	217- 5	9GD62161401	Ĵ	AN	Head,Erase	ľ		GCOVA1028SJSA	J	AC	Battery Lid,Remote Control
	217-6	9GD62010111	J		Head,Record/Playback		DWD AS	SEMBLY (Not	D.	, nla	coment Item
		9GD640101210	J	AE	Switch,Leaf Type [Fool Proof]		P.W.B. AS	SEMBLI (MOL	V.	; µıa	cement item)
	, ,	9GD640101210	J	AE	Switch,Leaf Type [Cam]		PWB-A1~7	DCEKKV283SJ03	J		Main/Display/CD Servo/LED/
	217-9(M901)	9GD192112347 9GD192121303	J	ΔΖ	Motor with Pulley [Tape] Tape Mechanism PWB Ass'y		T WB /(I/	DOLINIVZOSOGOS	Ü		Headphones/Switch/Jac
1		9GD192121306	J	/ _	Tape Mechanism PWB Ass'y	Δ	PWB-B1,2	DCEKAV283SJ06	J	_	Power/Power Amp.
	218 ` ′	LANGK0019SJFW	J	AB	Bracket,PWB		PWB-C	QPWBF3895AFZZ	J		CD Motor (PWB Only)
	219	LCHSM0021SJFW	J	AH	Main Chassis) 9GD192121303	J	ΑZ	Tape Mechanism PWB Ass'y
	220	LHLDM1002SJZZ	J	AD	Stabilizer		PWB-E(217-11) 9GD192121306	J		Tape Mechanism PWB Ass'y
	221 222	LHLDW1001SJZZ LHLDZ1010SJSA	J	AD AE	Nylon Band Holder,LCD Display		OTHER SE	ERVICE PARTS	2		
	223	LHLDZ1022SJSA	J	AB	Holder,LED		OTHER SE	ERVICE PART	3		
	224	MLEVP0003SJZZ	Ĵ	AB	Lever,CD Eject Button			UDSKA0004AFZZ	J	ΔΖ	CD Optical Pickup Lens Cleaner
	225	MSPRD0006SJFJ	J	AC	Spring,Cassette Holder			00011/1000-7/11/22	Ü	/ _	Disc Disc
	226	MSPRD0025SJFJ	J	AD	Spring,CD Lid						
	227 228	NGERH0001SJSA	J	AD AD	Damper Gear Shield Cover						
	229	PCOVS3003SJFW PCOVS3004SJFW	J	AC	Shield Cover						
	230	PCOVS3009SJFW		AD	Bracket, Terminal						
	231	PCUSG0003SJZZ	J	AC	Cushion,Leg						
	232	PMAGF0002AWZZ	J	ΑE	Magnet						
	233	PRDAR0017SJFW		AP	Heat Sink,Main						
A	234	PSHEP0001SJZZ QFSHD0001AWZZ	J	AF AB	Sheet,LCD Display Holder,Fuse						
7:	236	TSPC-0403SJZZ	J	70	Label, Specification						
			-		[Except for Canada]						
	236	TSPC-0404SJZZ	J		Label, Specification [For Canada]						
	237	LANGF0011SJFW	J	АН	Bracket, Heat Sink						
	238 239	LANGF0047SJFW LANGT0001SJFW	J	ΔD	Bracket, Shield Cover Bracket, Main PWB/CD Servo						
	200	VO 1 000 1001 VV	J	70	PWB						
	240		J		Cover,Heat Sink						
	241	PCOVS3010SJFW	J		Shield Cover						
	242	PRDAR0018SJFW	J		Heat Sink, Transistor						
	243				Lead Wire with Lug						
	601 602	LX-HZ0240AFFD LX-JZ0001SJFD	J	AB AA	Screw,Special Screw,ø3×10mm						
	603	XEBSD25P10000	J		Screw,ø3.5×10mm						
	604	XEBSD25P14000	Ĵ		Screw,ø2.5×14mm						
	605	XEBSF25P08000	J	AA	Screw,ø2.5×8mm						
	606	XESSD30P10000	J	AA	Screw,ø3×10mm						
	607	XHBSD30P06000	J	AΑ	Screw,ø3×6mm						
	608 609	XJBSD30P08000 XJBSF30P10000	J	AA AA	Screw,ø3×8mm Screw,ø3×10mm						
	500	7.000 JOI 10000	J	~~	20.0W,20A10HIII						
	SPEAKER	BOX PART									
		D00DV/: == :									
		B3CPXL55 1	J		Speaker Box Ass'y,L-CH/R-CH						





PACKING OF THE SET (FOR U.S.A. ONLY)

Setting position of switches and kr	ing position of switches and knobs							
Tape Mechanism	STOP							
Cassette Holder	CLOSE							
CD Lid	CLOSE							



★: Not Replacement Item

XL-55/55C

-MEMO-



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